SIEMENS

SINUMERIK 840D sl, SINAMICS S120

Lists, 1st Book

Parameter Manual

1 Overview of Functions

2 Machine und Setting Data

3 SINAMICS Parameter

I Index

Valid for

Control

SINUMERIK 840D sl/ 840DE sl

Software	*Version*
NCU Systemsoftware für 840D sl/ 840DE sl	2.6 SP1

03/2010

6FC5397-7AP10-5BA0

Legal information

Warning notice systemt

This manual contains notices you have to observe in order to ensure your personal safety, as well as to prevent damage to property. The notices referring to your personal safety are highlighted in the manual by a safety alert symbol, notices referring only to property damage have no safety alert symbol. These notices shown below are graded according to the degree of danger.

DANGER

indicates that death or severe personal injury will result if proper precautions are not taken.

WARNING

indicates that death or severe personal injury may result if proper precautions are not taken.

CAUTION

with a safety alert symbol, indicates that minor personal injury can result if proper precautions are not taken.

CAUTION

without a safety alert symbol, indicates that property damage can result if proper precautions are not taken

NOTICE

indicates that an unintended result or situation can occur if the corresponding information is not taken into account.

If more than one degree of danger is present, the warning notice representing the highest degree of danger will be used. A notice warning of injury to persons with a safety alert symbol may also include a warning relating to property damage.

Qualified Personnel

The product/system described in this documentation may be operated only by personnel qualified for the specific task in accordance with the relevant documentation for the specific task, in particular its warning notices and safety instructions. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products/systems:

Proper use of Siemens products

Note the following:

WARNING

Siemens products may only be used for the applications described in the catalog and in the relevant technical documentation. If products and components from other manufacturers are used, these must be recommended or approved by Siemens. Proper transport, storage, installation, assembly, commissioning, operation and maintenance are required to ensure that the products operate safely and without any problems. The permissible ambient conditions must be adhered to. The information in the relevant documentation must be observed.

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GERMANY

Disclaimer of Liability

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

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Technical data subject to change.

Preface

Structure of the documentation

The SINUMERIK documentation is available in three versions:

- General Documentation
- User Documentation
- Manufacturer/Service Documentation

Information on the following topics is available at
http://www.siemens.com/motioncontrol/docu

- Ordering documentation
  Here you can find an up-to-date overview of publications.
- Downloading documentation
  Links to more information for downloading files from Service & Support.
- Researching documentation online
  Information on DOConCD and direct access to the publications in DOCon-WEB.
- Compiling individual documentation on the basis of Siemens contents with the My Documentation Manager (MDM), refer to http://www.siemens.com/mdm. My Documentation Manager provides you with a range of features for generating your own machine documentation.
- Training and FAQs
  Information on the range of training courses and FAQs (frequently asked questions) are available via the page navigation. User Documentation.

Target group

This documentation is intended for project engineers, commissioning engineers, machine operators, service and maintenance personnel.

Benefits

The Parameter Manual enables the intended target group to evaluate error and fault indications and to respond accordingly.

With the help of the Parameter Manual, the target group has an overview of the various diagnostic options and diagnostic tools.

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Standard version

This Parameter Manual only describes the functionality of the standard version. Extensions or changes made by the machine tool manufacturer are documented by the machine tool manufacturer.

Other functions not described in this documentation might be executable in the control. This does not, however, represent an obligation to supply such functions with a new control or when servicing.

Further, for the sake of simplicity, this documentation does not contain all detailed information about all types of the product and cannot cover every conceivable case of installation, operation or maintenance.

Technical Support

If you have any questions, please contact the following hotline:

	Europe / Africa
Phone	+49 180 5050 222
Fax	+49 180 5050 223
€0.14/min. from German landlines, max. 0.42 €/min for calls from a mobile phone.	
Internet	http://www.siemens.de/automation/support-request

	America
Phone	+1 423 262 2522
Fax	+1 423 262 2200
Email	mailto:techsupport.sea@siemens.com

	Asia / Pacific
Phone	+86 1064 757575
Fax	+86 1064 747474
Email	mailto:support.asia.automation@siemens.com

Note

National phone numbers for technical support are provided under the following Internet address: http://www.automation.siemens.com/partner

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Questions about this documentation

If you have any queries (suggestions, corrections) in relation to this documentation, please send a fax or email to the following address

Fax	+49 9131 98 2176
Email	mailto:docu.motioncontrol@siemens.com

A fax form is available at the end of this document.

SINUMERIK Internet address

http://www.siemens.com/sinumerik

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Overview of Functions

1

Note

The following Overview of Functions corresponds to Chapter 2 of the Catalogs NC 61 issued in 2009/2010. Later versions of this Catalog will replace the information stated here.

All references such as "See Part i" refer to the Catalog NC 61 Part i rather than to the chapters of this Parameter Manual.

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1.1 CNC SINUMERIK

Overview

As a consequence of the prevailing export restrictions applicable to the CNC software of numerical controls in relation to particular control functions in accordance with the European/German Export List (export list item 2D002), SINUMERIK 840Di sl and SINUMERIK 840D sl are available in two versions.

This applies to the CNC system software for SINUMERIK 840Di sl and SINUMERIK 840D sl.

The **standard versions** SINUMERIK 840Di sl and SINUMERIK 840D sl offer the full scope of control functions, but **require official approval** according to the export list item 2D002 when exported to countries outside the EU.

The **export versions** SINUMERIK 802D sl, SINUMERIK 840DiE sl and SINUMERIK 840DE sl have restricted functionality in accordance with the export list restrictions and therefore **do not require official approval** as a result of their type in accordance with EU or German law.

The approval status for the complete CNC system is correspondingly dependent on the hardware or software version used.

General note:

If any particular components require official re-export approval according to US law, this must be duly filed for. Information about official approval requirements for supplied components is given in the delivery documentation: Goods labeled here with "AL not equal to N" are subject to European or German export authorization if they are exported out of the EU. Goods labeled with "ECCN not equal to N" are subject to US re-export authorization. Even if goods are not labeled or labeled with "AL:N" or "ECCN:N", they may still be subject to export authorization depending on the final destination and end use of the goods.

If a purchase contract is concluded, it shall always be discharged by Siemens with the proviso that performance of the contract shall not be hindered by national or international foreign trade legislation regulations and that no embargoes and/or other sanctions have been applied.

Important export information

Export of standard versions of components or systems can be subject to a time-consuming official authorization process, so it is recommended that **the export version is used where** applicable.

"Information on List of Items (Auskunft zur Güterliste (AZG))" pertaining to the official export authorization process is available for each export version (e.g. Federal Office of Economics and Export Control (BAFA), Customs). You can obtain a copy of this list from your local Siemens sales office.

When the standard version is used, it is important to note that official authorization is also required for the export of components subject to export approval within the framework of service provision, the supply of spare parts and for delivery of software updates and upgrades. This is especially relevant in cases where the control is exported after the machine manufacturer has installed it in a machine tool. The lengthy official approval procedure can severely restrict after-sales service.

When an application for an export permit for a system is submitted, we therefore recommend that spare parts supplies for any components requiring approval are included in the application as a matter of course to avoid future delays.

If the control is to be exported as an installed component in a machine tool, we recommend that machine manufacturers include any components requiring approval in the export permit application for the machine. If the machine itself does not require official export approval, but contains components which do, we recommend that an export permit for the replacement supply of such components is applied for in advance, in case it is necessary.

Spare parts supplies requiring official approval can then be exported quickly and easily by the machine manufacturer himself, or by Siemens if the manufacturer can make the original export permit available to Siemens.

Functional restrictions for export versions

The designation E in the name of the control indicates that it is the export version, i.e. the relevant control software is classified as not requiring official approval (AL=N) with the functional restrictions specified in the table according to AL item 2D002.

For further details on restricted functionality for the export versions, see the Glossary on the CD-ROM for Catalog NC 61 or go to: www.siemens.com/industrymall

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n Overview (continued)

Functional restrictions for export versions (continued)

Function	Order No.	SINUMERIK 840DiE sl	SINUMERIK 840DE sl
AXCO compensation of a forced mechanical coupling	6FC5800-0AM81-0YB0	–	–
Axial coupling in the machine coordinate system MCS coupling	6FC5800-0AM23-0YB0	–	–
CLC clearance control, 1D/3D in position control cycle	6FC5800-0AM40-0YB0	⊞ 4)	⊞ 4)
Crank interpolation CRIP	6FC5800-0AN04-0YB0	–	–
DOUBLETRANSMIT 2TRA transformation	6FC5800-0AM25-0YB0	–	–
Electronic gear EG	6FC5800-0AM22-0YB0	⊞ 2)	⊞ 2)
Electronic transfer	6FC5800-0AM35-0YB0	⊞ 2)	⊞ 2)
Electronic transfer CP	6FC5800-0AM76-0YB0	⊞ 2)	⊞ 2)
Generic coupling CP Basic	6FC5800-0AM72-0YB0	⊞ 2)	⊞ 2)
Generic coupling CP Comfort	6FC5800-0AM73-0YB0	⊞ 2)	⊞ 2)
Generic coupling CP Expert	6FC5800-0AM74-0YB0	⊞ 2)	⊞ 2)
Generic transformation	n	–	–
Handling package	6FC5800-0AS31-0YB0	–	–
Helical interpolation 2D+6	n	–	–
Linear interpolation axes	n	⊞ 1)	⊞ 1)
Machining package milling	6FC5800-0AM26-0YB0	–	–
Machining package 5 axes	6FC5800-0AM30-0YB0	–	–
Machining package 5 axes additional function 7th axis	6FC5800-0AS01-0YB0	–	–
Master value coupling and curve table interpolation LEAD	6FC5800-0AM20-0YB0	⊞ 2)	⊞ 2)
Multi-axis interpolation (> 4 interpolating axes)	6FC5800-0AM15-0YB0	–	–
PARACOP 3-axis transformation for parallel kinematics (first channel)	6FC5800-0AM44-0YB0	–	–
PROT collision protection for axes	6FC5800-0AN06-0YB0	–	–
RCTRA transformation package for handling	6FC5800-0AM31-0YB0	–	–
Sag compensation, multi-dimensional	6FC5800-0AM55-0YB0	⊞ 5)	⊞ 5)
SCIS transformation for pantograph kinematics 2 axes	6FC5800-0AM51-0YB0	–	–
SINUMERIK NCK Runtime OA	6FC5800-0AM04-0YB0	–	–
Space error compensation for kinematic transformations SEC	6FC5800-0AM57-0YB0	–	–
Synchronized actions stage 2	6FC5800-0AM36-0YB0	⊞ 3)	⊞ 3)
Technology package milling SINUMERIK MDynamics 5 axes	6FC5800-0AS33-0YB0	–	–
Tool orientation interpolation	n	–	–
Transformation TRIPOD HYBRID basis, 5 axes, THYK	6FC5800-0AN36-0YB0	–	–
VCS plus spatial compensation	6FC5800-0AN17-0YB0	–	–
VIBX vibration extinction	6FC5800-0AN11-0YB0	–	–

n Basic version
⊞ Functional restrictions for export versions
– Not possible

1) The number of simultaneously interpolating axes is restricted to four.
2) The number of simultaneously traversing axes is restricted to four.
3) The number of simultaneously traversing axes is limited to four (path and positioning axes).
4) Clearance control 1D in the position-control cycle only, number of simultaneously interpolating axes restricted to four.
5) The correctable tolerance band is restricted to 1 mm (0.04 in)

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Control structure and configuration			
Structure:			
• Panel-based			
• PC-based			
• Drive-based			
SINUMERIK 840D sl:			
• NCU 710.2 with PLC 317-2DP		**6FC5371-0AA10-0AA1**	
• NCU 720.2 with PLC 317-2DP		**6FC5372-0AA00-0AA2**	
• NCU 720.2 PN with PLC 319-3PN/DP		**6FC5372-0AA01-0AA2**	
• NCU 730.2 with PLC 317-2DP		**6FC5373-0AA00-0AA2**	
• NCU 730.2 PN with PLC 319-3PN/DP		**6FC5373-0AA01-0AA2**	
• Seal for external cooling of NCUs		**6FC5348-0AA07-0AA0**	
• Numeric Control Extension NX10		**6SL3040-0NC00-0AA0**	
• Numeric Control Extension NX15		**6SL3040-0NB00-0AA0**	
• Maximum configuration NX10/NX15			
NCU 710.2			
NCU 720.2/NCU 720.2 PN/NCU 730.2/NCU 730.2 PN			
Software for SINUMERIK NCU 710.2/NCU 720.2/NCU 730.2:			
• CNC software 6-3 with HMI-Embedded, export version, on CF card, with license	See Basic components.	**6FC5840-1YG..-.YA0**	
• CNC software 6-3 with HMI-Embedded, on CF card, with license	See Basic components.	**6FC5840-1XG..-.YA0**	
• CNC software 31-5 with HMI-Embedded, export version, on CF card, with license	See Basic components.	**6FC5840-3YG..-.YA0**	
• CNC software 31-5 with HMI-Embedded, on CF card, with license	See Basic components.	**6FC5840-3XG..-.YA0**	
• CNC software 6-3/31-5 with HMI-Embedded, export version, on DVD-ROM, without license	See Basic components.	**6FC5840-3YC..-.YA8**	
• CNC software 6-3 with HMI-Embedded, export version, license		**6FC5840-1YF00-0YB0**	
• CNC software 31-5 with HMI-Embedded, export version, license		**6FC5840-3YF00-0YB0**	
• CNC software 6-3/31-5 with HMI-Embedded, on DVD-ROM, without license	See Basic components.	**6FC5840-3XC..-.YA8**	
• CNC software 6-3 with HMI-Embedded, license		**6FC5840-1XF00-0YB0**	
• CNC software 31-5 with HMI-Embedded, license		**6FC5840-3XF00-0YB0**	
• CNC software 6-3/31-5 with HMI-Embedded, export version, software update service, without license		**6FC5840-3YP00-0YL8**	
• CNC software 6-3/31-5 with HMI-Embedded, software update service, without license		**6FC5840-3XP00-0YL8**	

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Control structure and configuration										
n	n	–	–	–	–					
–	–	n	n	–	–					
–	–	–	–	n	n					
–	–	–	–	v	v	v		v	v	v
–	–	–	–	v	v	v		v	v	v
–	–	–	–	v	v	v		–	–	–
–	–	–	–	v	v	v		v	v	v
–	–	–	–	v	v	v		–	–	–
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	3	3					
–	–	–	–	5	5					
–	–	–	–	v	–	–		n		
–	–	–	–	–	v	–		n		
–	–	–	–	v	–	–		n		
–	–	–	–	–	v	–		n		
–	–	–	–	v	–	–		n		
–	–	–	–	v	–	–		n		
–	–	–	–	v	–	–		n		
–	–	–	–	–	v	–		n		
–	–	–	–	–	v	–		n		
–	–	–	–	–	v	–		n		
–	–	–	–	v	–	–		n		
–	–	–	–	–	v	–		n		

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	Order No. Type (for complete Order No., see notes)	Order code
Control structure and configuration (continued)			
Software for SINUMERIK NCU 710.2/NCU 720.2/NCU 730.2 (continued):			
• CNC software 6-3 and ShopMill HMI, export version, on CF card with license	See Basic components.	**6FC5841-1YG..-.YA0**	
• CNC software 6-3 and ShopMill HMI, on CF card, with license	See Basic components.	**6FC5841-1XG..-.YA0**	
• CNC software 31-5 and ShopMill HMI, export version, on CF card, with license	See Basic components.	**6FC5841-3YG..-.YA0**	
• CNC software 31-5 and ShopMill HMI, on CF card, with license	See Basic components.	**6FC5841-3XG..-.YA0**	
• CNC software 6-3/31-5 and ShopMill HMI, export version, on DVD-ROM, without license	See Basic components.	**6FC5841-3YC..-.YA8**	
• CNC software 6-3 and ShopMill HMI, export version, license		**6FC5841-1YF00-0YB0**	
• CNC software 31-5 and ShopMill HMI, export version, license		**6FC5841-3YF00-0YB0**	
• CNC software 6-3/31-5 and ShopMill HMI, on DVD-ROM, without license	See Basic components.	**6FC5841-3XC..-.YA8**	
• CNC software 6-3 and ShopMill HMI, license		**6FC5841-1XF00-0YB0**	
• CNC software 31-5 and ShopMill HMI, license		**6FC5841-3XF00-0YB0**	
• CNC software 6-3/31-5 and ShopMill HMI, export version, software update service, without license		**6FC5841-3YP00-0YL8**	
• CNC software 6-3/31-5 and ShopMill HMI, software update service, without license		**6FC5841-3XP00-0YL8**	
• CNC software 6-3 and ShopTurn HMI, export version, on CF card, with license	See Basic components.	**6FC5842-1YG..-.YA0**	
• CNC software 6-3 and ShopTurn HMI, on CF card, with license	See Basic components.	**6FC5842-1XG..-.YA0**	
• CNC software 31-5 and ShopTurn HMI, export version, on CF card, with license	See Basic components.	**6FC5842-3YG..-.YA0**	
• CNC software 31-5 and ShopTurn HMI, on CF card, with license	See Basic components.	**6FC5842-3XG..-.YA0**	
• CNC software 6-3/31-5 and ShopTurn HMI, export version, on DVD-ROM, without license	See Basic components.	**6FC5842-3YC..-.YA8**	
• CNC software 6-3 and ShopTurn HMI, export version, license		**6FC5842-1YF00-0YB0**	
• CNC software 31-5 and ShopTurn HMI, export version, license		**6FC5842-3YF00-0YB0**	
• CNC software 6-3/31-5 and ShopTurn HMI, on DVD-ROM, without license	See Basic components.	**6FC5842-3XC..-.YA8**	
• CNC software 6-3 and ShopTurn HMI, license		**6FC5842-1XF00-0YB0**	
• CNC software 31-5 and ShopTurn HMI, license		**6FC5842-3XF00-0YB0**	
• CNC software 6-3/31-5 and ShopTurn HMI, export version, software update service, without license		**6FC5842-3YP00-0YL8**	
• CNC software 6-3/31-5 and ShopTurn HMI, software update service, without license		**6FC5842-3XP00-0YL8**	

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Control structure and configuration (continued)										
–	–	–	–	v	–	–		n	n	
–	–	–	–	–	v	–		n	n	
–	–	–	–	v	–	–		n	n	
–	–	–	–	–	v	–		n	n	
–	–	–	–	v	–	–		n	n	
–	–	–	–	v	–	–		n	n	
–	–	–	–	v	–	–		n	n	
–	–	–	–	–	v	–		n	n	
–	–	–	–	–	v	–		n	n	
–	–	–	–	–	v	–		n	n	
–	–	–	–	v	–	–		n	n	
–	–	–	–	–	v	–		n	n	
–	–	–	–	v	–	–		n		n
–	–	–	–	–	v	–		n		n
–	–	–	–	v	–	–		n		n
–	–	–	–	–	v	–		n		n
–	–	–	–	v	–	–		n		n
–	–	–	–	v	–	–		n		n
–	–	–	–	v	–	–		n		n
–	–	–	–	–	v	–		n		n
–	–	–	–	–	v	–		n		n
–	–	–	–	–	v	–		n		n
–	–	–	–	v	–	–		n		n
–	–	–	–	–	v	–		n		n

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Control structure and configuration (continued)			
Software for SINUMERIK NCU 710.2/NCU 720.2/ NCU 720.2 PN/ NCU 730.2/ NCU 730.2 PN:			
• CNC software 6-3 with SINUMERIK Operate, export version, on CF card, with license	See Basic components.	**6FC5850-1YG..-.YA0**	
• CNC software 31-5 with SINUMERIK Operate, export version, on CF card, with license	See Basic components.	**6FC5850-3YG..-.YA0**	
• CNC software 6-3 with SINUMERIK Operate, on CF card, with license	See Basic components.	**6FC5850-1XG..-.YA0**	
• CNC software 31-5 with SINUMERIK Operate, on CF card, with license	See Basic components.	**6FC5850-3XG..-.YA0**	
• CNC software 6-3/31-5 with SINUMERIK Operate, export version, on DVD-ROM, without license	See Basic components.	**6FC5850-3YC..-.YA8**	
• CNC software 6-3 with SINUMERIK Operate, export version, license		**6FC5850-1YF00-0YB0**	
• CNC software 31-5 with SINUMERIK Operate, export version, license		**6FC5850-3YF00-0YB0**	
• CNC software 6-3/31-5 with SINUMERIK Operate, on DVD-ROM, without license	See Basic components.	**6FC5850-3XC..-.YA8**	
• CNC software 6-3 with SINUMERIK Operate, license		**6FC5850-1XF00-0YB0**	
• CNC software 31-5 with SINUMERIK Operate, license		**6FC5850-3XF00-0YB0**	
• CNC software 6-3/31-5 with SINUMERIK Operate, export version, software update service, without license		**6FC5850-3YP00-0YL8**	
• CNC software 6-3/31-5 with SINUMERIK Operate, software update service, without license		**6FC5850-3XP00-0YL8**	
Data carrier for CNC software:			
• 1 GB CF card		**6FC5313-5AG00-0AA0**	
SINUMERIK 840Di sl/840DiE sl hardware with CNC software and licenses installed:			
• Current CNC software, export version, on hard disk of the SINUMERIK 840DiE sl (PCU 50.3-C 1.5 GHz/512 MB + MCI2 board, Windows XP ProEmbSys)	6 axes: L11 20 axes: L12	**6FC5220-0YA31-2AA0-Z** **L17 + Q00 + R00**	
• Current CNC software, on hard disk of the SINUMERIK 840Di sl (PCU 50.3-C 1.5 GHz/512 MB + MCI2 board, Windows XP ProEmbSys)	6 axes: L11 20 axes: L12	**6FC5220-0XA31-2AA0-Z** **L17 + Q00 + R00**	
• Current CNC software, export version, on hard disk of the SINUMERIK 840DiE sl (PCU 50.3-P 2.0 GHz/1 GB + MCI2 board, Windows XP ProEmbSys)	6 axes: L11 20 axes: L12	**6FC5220-0YA33-2AA0-Z** **L17 + Q00 + R00**	
• Current CNC software, on hard disk of the SINUMERIK 840Di sl (PCU 50.3-P 2.0 GHz/1 GB + MCI2 board, Windows XP ProEmbSys)	6 axes: L11 20 axes: L12	**6FC5220-0XA33-2AA0-Z** **L17 + Q00 + R00**	
• CNC software 6-3/20-5, export version, software update service, without license		**6FC5820-3YP00-0YL8**	
• CNC software 6-3/20-5, software update service, without license		**6FC5820-3XP00-0YL8**	

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Control structure and configuration (continued)										
–	–	–	–	v	–	n		–	–	–
–	–	–	–	v	–	n		–	–	–
–	–	–	–	–	v	n		–	–	–
–	–	–	–	–	v	n		–	–	–
–	–	–	–	v	–	n		–	–	–
–	–	–	–	v	–	n		–	–	–
–	–	–	–	v	–	n		–	–	–
–	–	–	–	–	v	n		–	–	–
–	–	–	–	–	v	n		–	–	–
–	–	–	–	–	v	n		–	–	–
–	–	–	–	v	–	n		–	–	–
–	–	–	–	–	v	n		–	–	–
v	v	–	–	v	v					
–	–	v	–	–	–	–	n			
–	–	–	v	–	–	–	n			
–	–	v	–	–	–	–	n			
–	–	–	v	–	–	–	n			
–	–	v	–	–	–	–	v			
–	–	–	v	–	–	–	v			

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Control structure and configuration (continued)			
SINUMERIK 840Di sl hardware with Windows operating system:			
• 840Di sl (PCU 50.3-C 1.5 GHz/512 MB + MCI2 board, Windows XP ProEmbSys)		**6FC5220-0AA31-2AA0**	
• 840Di sl (PCU 50.3-P 2.0 GHz/1 GB + MCI2 board, Windows XP ProEmbSys)		**6FC5220-0AA33-2AA0**	
MCI board extension slot version with cable distributor		**6FC5222-0AA00-0AA1** **6FX2006-1BA02**	
Software for SINUMERIK 840Di sl:			
• CNC software 6-3/20-5 and ShopMill HMI, ShopTurn HMI and HMI-Advanced, export version, on DVD-ROM, without license	Contains HMI-Advanced software version 1.4 SP1 and higher. See Basic components.	**6FC5820-3YC..-.YA8**	
• CNC software 6-3, export version, license		**6FC5820-1YP00-0YB0**	
• CNC software 20-5, export version, license		**6FC5820-3YP00-0YB0**	
• CNC software 6-3/20-5 and ShopMill HMI, ShopTurn HMI and HMI-Advanced, on DVD-ROM, without license	Contains HMI-Advanced software version 1.4 SP1 and higher. See Basic components.	**6FC5820-3XC..-.YA8**	
• CNC software 6-3, license		**6FC5820-1XP00-0YB0**	
• CNC software 20-5, license		**6FC5820-3XP00-0YB0**	
SINUMERIK 802D sl:			
• Version T/M value, export version		**6FC5370-0AA00-1AA0**	
• Version T/M plus, export version		**6FC5370-0AA00-2AA0**	
• Version T/M pro, export version		**6FC5370-0AA00-3AA0**	
• Version G/N plus, export version		**6FC5370-0AA00-2BA0**	
• Version G/N pro, export version		**6FC5370-0AA00-3BA0**	
Channels/mode groups (MG):			
• Maximum configuration			
CNC software 6-3			
CNC software 20-5/31-5			
NCU 710.2			
NCU 720.2/NCU 720.2 PN/NCU 730.2/NCU 730.2 PN			
• Mode group (MG), each additional		**6FC5800-0AC00-0YB0**	**C01 ... C09**
• Machining channel, each additional	Example: 4 additional machining channels: C14	**6FC5800-0AC10-0YB0**	**C11 ... C19**

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Control structure and configuration (continued)										
–	–	v	v	–	–	–	v	–	X	X
–	–	v	v	–	–	–	v	–	X	X
–	–	v	v	–	–					
–	–	v	–	–	–	–			X	X
–	–	v	–	–	–	–			X	X
–	–	v	–	–	–	–			X	X
–	–	–	v	–	–	–			X	X
–	–	–	v	–	–	–			X	X
–	–	–	v	–	–	–			X	X
n	–	–	–	–	–					
n	–	–	–	–	–					
n	–	–	–	–	–					
–	n	–	–	–	–					
–	n	–	–	–	–					
n 1	n 1	n 1	n 1	n 1	n 1					
1	1					10	10	10	1	1
–	–	2	2	2	2					
–	–	10	10	10	10					
–	–	–	–	4	4					
–	–	–	–	10	10					
–	–	v	v	v	v	v	v	v	–	–
–	–	v	v	v	v	v	v	v	–	–

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	Order No. Type (for complete Order No., see notes)	Order code
Control structure and configuration (continued)			
CNC user memory (buffered) for programs and OEM cycles in MB	1) With value version: 512 KB With plus version: 1 MB		
CNC user memory for programs, OEM cycles and data, expansion by 2 MB in each case	Example: Expansion by 6 MB: D03	**6FC5800-0AD00-0YB0**	**D01 ... D06**
CNC user memory, maximum configuration	1) With value version: 512 KB With plus version: 1 MB 2) For NCU 710.2 max. 9 MB		
HMI user memory, additional on CF card of NCU	1) On external CF card on the front. 2) On external CF card in the PCU 50.3. 3) On CF card of NCU, not with HMI on the PCU 50.3.	**6FC5800-0AP12-0YB0**	**P12**
Axes/spindles or positioning axes/auxiliary spindle:	1) With value version: 3/1.		
CNC software 6-3			
CNC software 20-5/31-5			
• Maximum configuration of axes	1) With value version: 3/1. 2) Display: 3 geometry axes + 2 additional axes + 1 spindle. 3) Display: 3 geometry axes + 2 additional axes + 3 spindles.		
NCU 710.2			
NCU 720.2/NCU 720.2 PN/NCU 730.2/NCU 730.2 PN			
• Maximum configuration of spindles	1) With value version: 1.		
NCU 710.2			
NCU 720.2/NCU 720.2 PN/NCU 730.2/NCU 730.2 PN			
• Maximum configuration axes/spindles	1) With value version: 3/1.		
NCU 710.2			
NCU 720.2/NCU 720.2 PN/NCU 730.2/NCU 730.2 PN			
• Configuration per channel axes incl. spindles	1) With value version: 3/1.		
NCU 710.2			
NCU 720.2/NCU 720.2 PN/NCU 730.2/NCU 730.2 PN			
Axis/spindle, each additional	Example: 12 additional axes/spindles: A12	**6FC5800-0AA00-0YB0**	**A01 ... A26**
Positioning axis/auxiliary spindle, each additional		**6FC5800-0AB00-0YB0**	**B01 ... B26**
PLC-controlled axis	1) With plus and pro versions.		
PLC positioning axis via PROFIBUS DP			

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Control structure and configuration (continued)										
n 3[1]	n 3[1]	n 5	n 5	n 3	n 3					
–	–	–	–	v	v					
3[1]	3[1]	5	5	15[2]	15[2]					
n [1]	n [1]	n [2]	n [2]	v [3]	v [3]	v [3]	–	v	v [3]	v [3]
4/1 3/2[1]	4/1 3/2									
–	–	n 3	n 3	n 3	n 3					
–	–	n 5	n 5	n 5	n 5					
4/1 3/2[1]	4/1 3/2	20	20			31	31	31	12[2]	12[3]
–	–	–	–	6	6					
–	–	–	–	31	31					
2[1]	2	20	20			31	31	31	1	3+2C
–	–	–	–	6	6					
–	–	–	–	31	31					
4/1 3/2[1]	4/1 3/2	20	20			31	31	31	12	12
–	–	–	–	6	6					
–	–	–	–	31	31					
4/1 3/2[1]	4/1 3/2	12	12			12 12	12 12	12 12	12 1	12 3
–	–	–	–	6	6					
–	–	–	–	12	12					
–	–	v	v	v	v					
–	–	v	v	v	v					
1[1]	1[1]	n	n	n	n					
–	–	n	n	n	n					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Drives			
SINAMICS S120 booksize compact format			
SINAMICS S120 booksize format, Motor Modules via DRIVE-CLiQ	See SINAMICS S120 drive system.		
SINAMICS S120 CU320 Control Unit via PROFIBUS (without CompactFlash card)	See SINAMICS S120 drive system.	**6SL3040-0MA00-0A..**	
SINAMICS S120 CU320 Control Unit with CBE20 via PROFINET (without CompactFlash card)	For positioning tasks via PLC. See SINAMICS S120 drive system.	**6SL3040-0MA00-0A..**	
CF card with current SINAMICS FW release			
• License for basic performance		**6SL3054-0AA00-1AA0**	
• License with Performance extension firmware option		**6SL3054-0AA01-1AA0**	
SINAMICS S120 closed-loop control CU310 DP	See SINAMICS S120 drive system. 1) For positioning tasks via PLC with blocksize Power Module.	**6SL3040-0LA00-0AA.**	
SINAMICS S120 closed-loop control CU310 PN	See SINAMICS S120 drive system. 1) For positioning tasks via PLC with blocksize Power Module.	**6SL3040-0LA01-0AA.**	
SINAMICS S120 Control Unit Adapter CUA31	See SINAMICS S120 drive system.	**6SL3040-0PA00-0A..**	
SINAMICS S120 Sensor Modules Cabinet			
• SINAMICS S120 SMC10	See SINAMICS S120 drive system. 1) No SINUMERIK Safety Integrated.	**6SL3055-0AA00-5AA.**	
• SINAMICS S120 SMC20	See SINAMICS S120 drive system.	**6SL3055-0AA00-5BA.**	
• SINAMICS S120 SMC30	See SINAMICS S120 drive system. 1) No SINUMERIK Safety Integrated.	**6SL3055-0AA00-5CA.**	
SINAMICS S120 Sensor Modules External			
• SINAMICS S120 SME20	See SINAMICS S120 drive system.	**6SL3055-0AA00-5EA.**	
• SINAMICS S120 SME25	See SINAMICS S120 drive system.	**6SL3055-0AA00-5HA.**	
• SINAMICS S120 SME120	See SINAMICS S120 drive system.	**6SL3055-0AA00-5JA.**	
• SINAMICS S120 SME125	See SINAMICS S120 drive system.	**6SL3055-0AA00-5KA.**	
SINAMICS S120 TB/TM Terminal Module			
• SINAMICS S120 TB30		**6SL3055-0AA00-2T..**	
• SINAMICS S120 TM31	See SINAMICS S120 drive system.	**6SL3055-0AA00-3A..**	
• SINAMICS S120 TM41	See SINAMICS S120 drive system. 1) SW version 1.5 HF5, SW version 2.5 HF2 and higher.	**6SL3055-0AA00-3P..**	
• SINAMICS S120 TM15	See SINAMICS S120 drive system.	**6SL3055-0AA00-3FA.**	
• SINAMICS S120 TM17		**6SL3055-0AA00-3HA.**	

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
										Drives
–	–	–	–	–	–					
n	n	–	–	n	n					
–	–	n	n	v	v					
–	–	–	–	v	v					
–	–	v 1)	v 1)	v	v					
–	–	–	–	v 1)	v 1)					
v	v	–	–	v	v					
v	v	v	v	v	v					
				1)	1)					
				1)	1)					
–	–	v	v	v	v					
–	–	–	–	–	–					
–	–	–	–	–	–					
–	–	–	–	v 1)	v 1)					
–	–	v	v	v	v					
–	–	–	–	–	–					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Drives (continued)			
SINAMICS S120 expansion modules			
• SINAMICS S120 VSM10	See SINAMICS S120 drive system.	**6SL3053-0AA00-3A..**	
• SINAMICS S120 DMC20	See SINAMICS S120 drive system.	**6SL3055-0AA00-6AA.**	
• SINAMICS S120 DME20	See SINAMICS S120 drive system.	**6SL3055-0AA00-6AB.**	
SINAMICS S120 booksize format Motor Modules, internal air cooling	See SINAMICS S120 drive system.	**6SL3120-1TE13-0A..** **6SL3120-1TE15-0A..** **6SL3120-1TE21-0A..** **6SL3120-1TE21-8A..** **6SL3120-1TE23-0A..** **6SL3120-1TE24-5A..** **6SL3120-1TE26-0A..** **6SL3120-1TE28-5A..** **6SL3120-1TE31-3A..** **6SL3120-1TE32-0A..** **6SL3120-2TE13-0A..** **6SL3120-2TE15-0A..** **6SL3120-2TE21-0A..** **6SL3120-2TE21-8A..**	
SINAMICS S120 booksize format Motor Modules, external air cooling	See SINAMICS S120 drive system.	**6SL3121-1TE13-0A..** **6SL3121-1TE15-0A..** **6SL3121-1TE21-0A..** **6SL3121-1TE21-8A..** **6SL3121-1TE23-0A..** **6SL3121-1TE24-5A..** **6SL3121-1TE26-0A..** **6SL3121-1TE28-5A..** **6SL3121-1TE31-3A..** **6SL3121-1TE32-0A..** **6SL3121-2TE13-0A..** **6SL3121-2TE15-0A..** **6SL3121-2TE21-0A..** **6SL3121-2TE21-8A..**	
SINAMICS S120 booksize format Motor Modules, cold plate cooling	See SINAMICS S120 drive system.	**6SL3126-1TE13-0A..** **6SL3126-1TE15-0A..** **6SL3126-1TE21-0A..** **6SL3126-1TE21-8A..** **6SL3126-1TE23-0A..** **6SL3126-1TE24-5A..** **6SL3126-1TE26-0A..** **6SL3126-1TE28-5A..** **6SL3126-1TE31-3A..** **6SL3126-1TE32-0A..** **6SL3126-2TE13-0A..** **6SL3126-2TE15-0A..** **6SL3126-2TE21-0A..** **6SL3126-2TE21-8A..**	

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl				Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Drives (continued)										
–	–	–	–	–	–					
v	v	v	v	v	v					
v	v	v	v	v	v					
v	v	v	v	v	v					
v	v	v	v	v	v					
–	–	v	v	v	v					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Drives (continued)			
SINAMICS S120 booksize format Active Line Modules, internal air cooling	See SINAMICS S120 drive system.	**6SL3130-7TE21-6A..** **6SL3130-7TE23-6A..** **6SL3130-7TE25-5A..** **6SL3130-7TE28-0A..** **6SL3130-7TE31-2A..**	
SINAMICS S120 booksize format Active Line Modules, external air cooling	See SINAMICS S120 drive system.	**6SL3131-7TE21-6A..** **6SL3131-7TE23-6A..** **6SL3131-7TE25-5A..** **6SL3131-7TE28-0A..** **6SL3131-7TE31-2A..**	
SINAMICS S120 booksize format Active Line Modules, cold plate cooling	See SINAMICS S120 drive system.	**6SL3136-7TE21-6A..** **6SL3136-7TE23-6A..** **6SL3136-7TE25-5A..** **6SL3136-7TE28-0A..** **6SL3136-7TE31-2A..**	
SINAMICS S120 booksize format Active Interface Modules	See SINAMICS S120 drive system.	**6SL3100-0BE21-6A..** **6SL3100-0BE23-6A..** **6SL3100-0BE25-5A..** **6SL3100-0BE28-0A..** **6SL3100-0BE31-2A..**	
SINAMICS S120 booksize format Smart Line Modules, internal air cooling	See SINAMICS S120 drive system.	**6SL3130-6AE15-0A..** **6SL3130-6AE21-0A..** **6SL3130-6TE21-6A..** **6SL3130-6TE23-6A..**	
SINAMICS S120 booksize format Smart Line Modules, external air cooling	See SINAMICS S120 drive system.	**6SL3131-6AE15-0A..** **6SL3131-6AE21-0A..**	
SINAMICS S120 booksize format Smart Line Modules, cold plate cooling	See SINAMICS S120 drive system.	**6SL3136-6AE15-0A..** **6SL3136-6AE21-0A..**	
SINAMICS S120 chassis format Motor Modules, internal air cooling (rated pulse frequency 2 kHz)	No SINUMERIK Safety Integrated. See SINAMICS S120 drive system.	**6SL3320-1TE32-1AA.** **6SL3320-1TE32-6AA.** **6SL3320-1TE33-1AA.** **6SL3320-1TE33-8AA.** **6SL3320-1TE35-0AA.**	
SINAMICS S120 chassis format Motor Modules, internal air cooling (rated pulse frequency 1.25 kHz)		**6SL3320-1TE36-1AA.** **6SL3320-1TE37-5AA.** **6SL3320-1TE38-4AA.** **6SL3320-1TE41-0AA.** **6SL3320-1TE41-2AA.** **6SL3320-1TE41-4AA.**	
SINAMICS S120 chassis format Active Line Modules, internal air cooling (up to 300 kW)	No SINUMERIK Safety Integrated. See SINAMICS S120 drive system.	**6SL3330-7TE32-1AA.** **6SL3330-7TE32-6AA.** **6SL3330-7TE33-8AA.** **6SL3330-7TE35-0AA.**	
SINAMICS S120 chassis format Active Line Modules, internal air cooling (up to 500 kW)		**6SL3330-7TE36-1AA.** **6SL3330-7TE38-4AA.** **6SL3330-7TE41-0AA.** **6SL3330-7TE41-4AA.**	
SINAMICS S120 chassis format Active Interface Modules	See SINAMICS S120 drive system.	**6SL3300-7TE32-6AA.** **6SL3300-7TE33-8AA.** **6SL3300-7TE35-0AA.**	

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl				Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Drives (continued)										
v	v	v	v	v	v					
v	v	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
v	v	v	v	v	v					
v	v	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	–	–	–	–					
–	–	v	v	v	v					
–	–	–	–	–	–					
–	–	v	v	v	v					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Drives (continued)			
SINAMICS S120 blocksize format Power Modules 230 V 1 AC, internal air cooling	No SINUMERIK Safety Integrated.	**6SL3210-1SB10-9UA0** **6SL3210-1SB12-3UA0** **6SL3210-1SB13-9UA0** **6SL3210-1SB10-9AA0** **6SL3210-1SB12-3AA0** **6SL3210-1SB13-9AA0**	
SINAMICS S120 blocksize format Power Modules 400 V 3 AC, internal air cooling	No SINUMERIK Safety Integrated.	**6SL3210-1SE11-3UA0** **6SL3210-1SE11-7UA0** **6SL3210-1SE12-2UA0** **6SL3210-1SE13-1UA0** **6SL3210-1SE14-1UA0** **6SL3210-1SE16-0UA0** **6SL3210-1SE17-7UA0** **6SL3210-1SE21-0UA0** **6SL3210-1SE21-8UA0** **6SL3210-1SE22-5UA0** **6SL3210-1SE23-2UA0** **6SL3210-1SE23-8UA0** **6SL3210-1SE24-5UA0** **6SL3210-1SE26-0UA0** **6SL3210-1SE27-5UA0** **6SL3210-1SE31-0UA0** **6SL3210-1SE31-1UA0** **6SL3210-1SE31-5UA0** **6SL3210-1SE31-8UA0** **6SL3210-1SE11-3AA0** **6SL3210-1SE11-7AA0** **6SL3210-1SE12-2AA0** **6SL3210-1SE13-1AA0** **6SL3210-1SE14-1AA0** **6SL3210-1SE16-0AA0** **6SL3210-1SE17-7AA0** **6SL3210-1SE21-0AA0** **6SL3210-1SE21-8AA0** **6SL3210-1SE22-5AA0** **6SL3210-1SE23-2AA0** **6SL3210-1SE23-8AA0** **6SL3210-1SE24-5AA0** **6SL3210-1SE26-0AA0** **6SL3210-1SE27-5AA0** **6SL3210-1SE31-0AA0** **6SL3210-1SE31-1AA0** **6SL3210-1SE31-5AA0** **6SL3210-1SE31-8AA0**	
SINAMICS S120 chassis format Power Modules, 400 V 3 AC, internal air cooling		**6SL3310-1TE32-1AA0** **6SL3310-1TE32-6AA0** **6SL3310-1TE33-1AA0** **6SL3310-1TE33-8AA0** **6SL3310-1TE35-0AA0**	
Hydraulic axis (distributed) for connection as interpolating CNC axis	Coupled via PROFIBUS DP V2 with PROFIdrive V3.1, isochronous for electrical drives, e.g. IAC-R. No SINUMERIK Safety Integrated. 1) Not possible with NCU 720.2 PN/NCU 730.2 PN.		
SIMODRIVE 611 universal HRS	Operation in mixed mode with SINAMICS is not possible.	For further information, see the NC 60 Catalog.	
SIMODRIVE 611 universal E HRS via PROFIBUS	Operation in mixed mode with SINAMICS is not possible.	For further information, see the NC 60 Catalog.	

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl				Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Drives (continued)										
v	v	v	v	v	v					
v	v	v	v	v	v					
–	–	–	–	–	–					
–	–	v	v	v 1)	v 1)					
–	–	n	n	–	–					
–	–	n	n	–	–					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Drives (continued)			
Synchronous motors			
• 1PH8	1) On request.		
• 1FT6	1) Not for new applications.		
• 1FT7	1) On request.		
• 1FK7			
• 1FN3			
• 1FN6			
• 1FW6			
• 1FE1			
• 2SP1			
Asynchronous motors			
• 1PH8	1) On request.		
• 1PH7			
• 1PH4			
• 1PH2			
SINAMICS S120 DRIVE-CLiQ on motor			
• Resolver			
• sin/cos 1 V_{pp} and EnDat			
Connectable measuring systems • Two measuring systems per axis			
• Absolute/incremental encoder installed in 1FT6/1FT7/1FK7/1PH7/1PH8	Integrated in motor via SINAMICS S120 Sensor Modules.		
• Resolver installed in 1FT6/1FK7/1PH7	Integrated in motor via SINAMICS S120 Sensor Modules.		
• Incremental rotary measuring systems with RS 422 (TTL)	Via SINAMICS S120 Sensor Modules SMC30. 1) For analog spindle, setpoint via MCPA. 2) For analog axes via ADI 4.		
• Linear scale LMS with sin/cos 1 V_{pp}	Via SINAMICS S120 Sensor Modules SMC20/SME20.		
• Rotary measuring systems with sin/cos 1 V_{pp}	Via SINAMICS S120 Sensor Modules SMC20/SME20.		
• Linear scale LMS with distance-coded reference marks	Via SINAMICS S120 Sensor Modules SMC20/SME20.		
• Rotary measuring systems with distance-coded reference marks	Via SINAMICS S120 Sensor Modules SMC20/SME20.		
• Linear scale LMS with EnDat 2.1	Via SINAMICS S120 Sensor Modules SMC20/SME25.		
• Rotary measuring systems with EnDat 2.1	Via SINAMICS S120 Sensor Modules SMC20/SME25.		
• Absolute encoder with SSI interface	For analog axes via ADI 4.		
• Resolver as external machine encoder	Via SINAMICS S120 Sensor Modules SMC10.		

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Drives (continued)										
1)	1)	v	v	v	v					
v	v	v 1)	v 1)	v 1)	v 1)					
1)	1)	v	v	v	v					
v	v	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
1)	1)	v	v	v	v					
v	v	v	v	v	v					
v	v	v	v	v	v					
v	v	v	v	v	v					
v	v	v	v	v	v					
v	v	v	v	v	v					
n	n	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
n 1)2)	n 1)2)	n 2)	n 2)	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
–	–	n	n	n	n					
–	–	n	n	n	n					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Drive functions			
Closed-loop control			
• Servo control			
• Vector control			
• Vector *V/f* control			
• Combination of servo/vector *V/f* on a Control Unit			
• Setting the pulse frequency grid in fine steps			
• Sine-wave filter			
• Units changeover US/SI			
• Direction reversal without changing the setpoint			
• Technology controller			
• *kT* estimator			
• *kT* (iq) characteristic			
• Rotor/pole position identification saturation-based/motion-based			
• Edge modulation			
• Motor data identification stationary/rotating			
• Flux reduction for asynchronous motors			
Modular machine concept (sub-topologies)			
• Parking axis/encoder			
Brakes			
• Braking signal, basic/extended			
• Armature short-circuit brake, internal/external			
• DC brake			
Voltage protection for 1FE1/2SP1 motors			
• Externally via VPM module	See Synchronous motors.		
• Internal Voltage Protection IVP in SINAMICS S120 Motor Module	See Synchronous motors.		

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Drive functions										
n	n	n	n	n	n					
–	–	–	–	–	–					
–	–	–	–	–	–					
–	–	–	–	–	–					
–	–	–	–	–	–					
–	–	–	–	–	–					
–	–	–	–	–	–					
–	–	–	–	–	–					
–	–	–	–	–	–					
–	–	–	–	–	–					
–	–	n	n	n	n					
–	–	n	n	n	n					
–	–	–	–	–	–					
–	–	n	n	n	n					
–	–	–	–	n	n					
–	–	n	n	n	n					
n	n	n	n	n	n					
–	–	–	–	–	–					
–	–	–	–	–	–					
–	–	v	v	v	v					
–	–	n	n	n	n					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Drive functions (continued)			
Full hub functionality DMC20 – Sensor Module Integrated with automatic commissioning behind hub module			
Motor/winding switchover	1) Not for Sensor Module Integrated.		
Suspended axis/electronic counterweight			
Dynamic energy management (DC link voltage management)			
Runtime meter			
I^2t monitoring for motors			
Changing reference parameters/scaling			
Automatic restart mechanism (servo/infeed)			
Technology function: friction characteristic curve			
Position tracking			
Drive Control Chart DCC			
Drive Based Open Architecture			
Basic positioner			
2 command data sets			
Parallel connection of Motor Modules			
200 V 3 AC possible for booksize/blocksize modules			
Maximum configuration			
• Axes/spindles for current/speed controller cycle of 125 µs			
• Axis/spindles for current/speed controller cycle of 62.5 µs			
• Axes/spindles per NCU/NX for current/speed controller cycle of 125 µs			
• Axes/spindles per NCU/NX for current/speed controller cycle of 62.5 µs			
• Direct measuring systems per NCU/NX			
• Chassis Motor Modules			
Current/speed controller cycle			
• Minimum			
• Maximum			
PROFIBUS DP cycle (corresponds to FIPO cycle)			
• Minimum			
Maximum number			
• Measuring points per NCU/NX			
• Drive data sets			
• Motor data sets			
• Encoder data sets			

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
										Drive functions (continued)
–	–	n	n	n	n					
–	–	n 1)	n 1)	n 1)	n 1)					
n	n	n	n	n	n					
n	n	n	n	n	n					
–	–	n	n	n	n					
–	–	–	–	n	n					
n	n	n	n	n	n					
–	–	–	–	–	–					
–	–	–	–	–	–					
–	–	–	–	n	n					
–	–	–	–	–	–					
–	–	–	–	–	–					
–	–	–	–	–	–					
–	–	–	–	–	–					
–	–	–	–	–	–					
–	–	–	–	n	n					
				31	31					
				11	11					
				6	6					
				2	2					
				3	3					
				2	2					
–	–			62.5 µs	62.5 µs					
–	–			250 µs	250 µs					
1.5 ms	1.5 ms			0.5 ms	0.5 ms					
				3	3					
				32	32					
				8	8					
				8	8					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Axis functions			
Traversing range ± 9 decades			
Rotary axis, continuous turning	1) With plus and pro versions.		
Velocity, max. 300 m/s (984 ft/s)			
Acceleration with jerk limitation			
Programmable acceleration			
Follow-up mode			
Measuring system 1 and 2, selectable			
Feedrate interpolation			
Separate path feed for corners and chamfers			
Travel to fixed stop	1) With plus and pro versions.		
Travel to fixed stop with Force Control		**6FC5800-0AM01-0YB0**	**M01**
Analog axis	With ADI 4.		
Setpoint exchange		**6FC5800-0AM05-0YB0**	**M05**
Tangential control		**6FC5800-0AM06-0YB0**	**M06**
Path switch signals/cam controller:	1) Path switch signals only.	**6FC5800-0AM07-0YB0**	**M07**
• Max. number of pairs			
Axis container	SW version 2.6 and higher within 31 axes.		
Advanced Position Control APC		**6FC5800-0AM13-0YB0**	**M13**
Spindle functions			
Analog spindle speed	1) With MCPA. 2) With ADI 4.		
Digital spindle speed			
Spindle speed, max. programmable value range: 10^6 ... 0.0001 (display: ±999999999.9999)			
5 gear stages			
Automatic gear stage selection			
Oriented spindle stop			
Spindle speed limitation (min./max.)			
Constant cutting rate			
Spindle control via PLC (positioning, oscillation)	1) With plus and pro versions.		
Changeover to axis mode	1) With plus and pro versions.		

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
										Axis functions
n	n	n	n	n	n					
n [1]	n	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
–	–	n	n	n	n					
–	–	n	n	n	n					
n	n	n	n	n	n					
n [1]	n	n	n	n	n					
–	–	v	v	v	v					
–	–	n	n	n	n					
–	–	–	–	v	v					
–	–	v	v	v	v					
n [1]	n [1]	v	v	v	v					
8	8	16	16	16	16					
–	–	–	–	n	n					
–	–	–	–	v	v					
										Spindle functions
n [1]	n [1]	n [2]	n [2]	–	–					
n	n	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
n [1]	n	n	n	n	n					
n [1]	n	n	n	n	n					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Spindle functions (continued)			
Axis synchronization on-the-fly			
Thread run-in and run-out programmable			
Thread cutting with constant or variable pitch			
Tapping with compensating chuck/rigid tapping			
Interpolations			
Floating point accuracy (80 bit floating point accuracy)			
Linear interpolating axes	1) With value version: 3.		
• Maximum	1) With value version: 3.		
Circle via center point and end point			
Circle via interpolation point			
Helical interpolation	1) With value version: 2D+1.		
Universal interpolator NURBS (non-uniform rational B-splines)			
Continuous-path mode with programmable rounding clearance			
Multi-axis interpolation (> 4 interpolating axes)		**6FC5800-0AM15-0YB0**	**M15**
Motion control: Advanced Surface		**6FC5800-0AS07-0YB0**	**S07**
3-axis compressor	SW version 2.6 and higher in basic version.		
5-axis compressor	SW version 2.6 and higher in basic version.		
Spline interpolation (A, B and C splines)	SW version 2.6 and higher.	**6FC5800-0AS16-0YB0**	**S16**
Spline interpolation (A, B and C splines/compressor) for 3-axis machining	Up to SW version 2.5.	**6FC5800-0AM16-0YB0**	**M16**
Spline interpolation (A, B and C splines/compressor) for 5-axis machining	Up to SW version 2.5.	**6FC5800-0AM17-0YB0**	**M17**
Polynomial interpolation		**6FC5800-0AM18-0YB0**	**M18**
Involute interpolation		**6FC5800-0AM21-0YB0**	**M21**
Continue machining at the contour (retrace support)	Precondition: Loadable compile cycle and cross-mode actions M43.	**6FC5800-0AM24-0YB0**	**M24**
Crank interpolation CRIP	Precondition: Loadable compile cycle.	**6FC5800-0AN04-0YB0**	–

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Spindle functions (continued)										
–	–	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
Interpolations										
n	n	n	n	n	n					
n 4[1]	n 4	n 4	n 4	n 4	n 4					
4[1]	4	4	12	4	12					
n	n	n	n	n	n					
n	n	n	n	n	n					
2D+2[1]	2D+2	2D+2	2D+6	2D+2	2D+6					
–	–	n	n	n	n					
–	–	n	n	n	n					
–	–	–	v	–	v					
–	–	v	v	v	v	v	v	–	–	–
n	–	–	–	n	n					
–	–	–	–	n	n					
n	–	v	v	v	v					
n	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	–	v	–	v	v	v	v	–	–

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Couplings			
Trailing axes TRAIL			
Synchronous spindle/multi-edge turning COUP		**6FC5800-0AM14-0YB0**	**M14**
Axial coupling in the machine coordinate system MCS coupling	Precondition: Loadable compile cycle.	**6FC5800-0AM23-0YB0**	**M23**
Master value coupling and curve table interpolation LEAD	1) With restricted functionality, see export versions.	**6FC5800-0AM20-0YB0**	**M20**
Electronic gear EG	1) With restricted functionality, see export versions.	**6FC5800-0AM22-0YB0**	**M22**
Pair of synchronized axes (gantry axes) Max. number		**6FC5800-0AM02-0YB0**	**M02**
Master/slave for drives		**6FC5800-0AM03-0YB0**	**M03**
Generic couplings CP Generic coupling Standard, CP Standard • 4 axis pairs in simultaneous coupled motion			
Generic coupling Static CP Static • 1 × simple synchronous spindle coupling ratio 1:1		**6FC5800-0AM75-0YB0**	**M75**
Generic coupling Basic CP Basic • 4 axis pairs in simultaneous coupled motion and • 1 × synchronous spindle/multi-edge turning or master value coupling/curve table interpolation or axial coupling in the machine coordinate system	1) With restricted functionality, see export versions.	**6FC5800-0AM72-0YB0**	**M72**
Generic coupling Comfort CP Comfort • 4 axis pairs in simultaneous coupled motion and • 4 × synchronous spindle/multi-edge turning and/or master value coupling/curve table interpolation and/or axial coupling in the machine coordinate system and • 1 × electronic gear for 3 master axes (without curve table, without cascading)	1) With restricted functionality, see export versions.	**6FC5800-0AM73-0YB0**	**M73**
Generic coupling Expert CP Expert • 8 axis pairs in simultaneous coupled motion and • 8 × synchronous spindle/multi-edge turning and/or master value coupling/curve table interpolation and/or axial coupling in the machine coordinate system and • 8 × electronic gear for 3 master axes (with curve tables, with cascading) • 5 × electronic gear for 5 master axes (with curve tables, with cascading)	1) With restricted functionality, see export versions. 2) Precondition: NCU 720.2/NCU 720.2 PN/ NCU 730.2/NCU 730.2 PN.	**6FC5800-0AM74-0YB0**	**M74**
AXCO compensation of a forced mechanical coupling	Precondition: Loadable compile cycle	**6FC5800-0AM81-0YB0**	–

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
										Couplings
–	–	n	n	n	n					
–	–	v	v	v	v					
–	–	–	v	–	v					
–	–	v 1)	v	v 1)	v					
–	–	v 1)	v	v 1)	v					
v 1	v 1	v 8	v 8	v 8	v 8					
v	v	v	v	v	v					
–	–	n	n	n	n	n	n	n	–	–
–	–	v	v	v	v	v	v	v	–	–
–	–	v 1)	v	v 1)	v	v	v	v	–	–
–	–	v 1)	v	v 1)	v	v	v	v	–	–
–	–	v 1)	v	v 1)2)	v 2)	v	v	v	–	–
–	–	–	v	–	v					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	Order No. Type (for complete Order No., see notes)	Order code
Transformations			
Cartesian point-to-point (PTP) travel			
TRANSMIT and peripheral surface transformation	1) With plus and pro versions.	6FC5800-0AM27-0YB0	M27
Inclined axis		6FC5800-0AM28-0YB0	M28
Concatenated transformations (inclined axis TRAANG after TRAORI/ cardan millhead/TRANSMIT/TRACYL)			
RCTRA transformation package for handling	Precondition: Loadable compile cycle.	6FC5800-0AM31-0YB0	M31
Generic transformation	Precondition: Machining package 5 axes or machining package milling.		
DOUBLETRANSMIT 2TRA transformation	Precondition: Loadable compile cycle.	6FC5800-0AM25-0YB0	M25
SCIS transformation for pantograph kinematics 2 axes	Precondition: Loadable compile cycle.	6FC5800-0AM51-0YB0	–
PARACOP 3-axis transformation for parallel kinematics (first channel)	Precondition: Loadable compile cycle.	6FC5800-0AM44-0YB0	–
Transformation TRIPOD HYBRID basis, 5 axes, THYK	Precondition: Loadable compile cycle.	6FC5800-0AN36-0YB0	–
Measuring functions/measuring cycles			
Measuring stage 1 2 probes (switching) with/without deletion of distance-to-go	See HMI software. 1) 1 probe. 2) With plus and pro versions only. 3) Precondition: MCI board extension.		
Measuring stage 2 Axial measuring, measuring from synchronized actions, cyclic measuring	1) Precondition: MCI board extension.	6FC5800-0AM32-0YB0	M32
Measuring cycles for drilling/milling and turning Calibrate workpiece probe, workpiece measurement, tool measurement	1) SW version 2.6 and higher.	6FC5800-0AP28-0YB0	P28
Measure kinematics (determine transformation data of rotary axis)		6FC5800-0AP18-0YB0	P18

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl				Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Transformations										
–	n	n	n	n	n					
n 1)	–	v	v	v	v					
–	n	v	v	v	v					
–	–	n	n	n	n					
–	–	–	v	–	v					
–	–	–	n	–	n					
–	–	–	–	–	v					
–	–	–	–	–	v					
–	–	–	–	–	v					
–	–	–	v	–	v					
Measuring functions/measuring cycles										
n 1)2)	n 1)	n 3)	n 3)	n	n					
–	–	v 1)	v 1)	v	v					
–	–	v	v	v	v	v 1)	v	v	v	v
–	–	v	v	v	v	v	v	v	v	v

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	Order No. Type (for complete Order No., see notes)	Order code
Technologies			
Punching/nibbling		**6FC5800-0AM33-0YB0**	**M33**
Oscillation functions block-related, modal and asynchronous		**6FC5800-0AM34-0YB0**	**M34**
More than one feed in block, e. g. for calipers			
Handwheel override			
Contour handwheel		**6FC5800-0AM08-0YB0**	**M08**
Electronic transfer Contains the option: Master value coupling LEAD	1) With restricted functionality, see export versions.	**6FC5800-0AM35-0YB0**	**M35**
Electronic transfer CP Contains the option: CP Comfort	1) With restricted functionality, see export versions.	**6FC5800-0AM76-0YB0**	**M76**
Machining package 5 axes Contains the option: Multi-axis interpolation		**6FC5800-0AM30-0YB0**	**M30**
Machining package milling Contains the options: Machining package 5 axes incl. multi-axis interpolation, spline interpolation (A, B and C splines/compressor for 5-axis machining and 3D tool radius compensation)		**6FC5800-0AM26-0YB0**	**M26**
Machining package 5 axes additional function 7th axis		**6FC5800-0AS01-0YB0**	**S01**
Technology package milling SINUMERIK MDynamics 3 axes Contains the options: ShopTurn/ShopMill, residual material detection and machining for contour pockets and cutting, 3D simulation 1 (finished part), simultaneous recording, advanced surface, spline interpolation, transmit and peripheral surfaces transformation, measuring cycles, additional HMI memory on CF card	1) SW version 2.6 and higher.	**6FC5800-0AS32-0YB0**	**S32**
Technology package milling SINUMERIK MDynamics 5 axes Contains the options: ShopTurn/ShopMill, residual material detection and machining for contour pockets and cutting, 3D simulation 1 (finished part), simultaneous recording, advanced surface, spline interpolation, transmit and peripheral surfaces transformation, measuring cycles, additional HMI user memory on CF card, machining package 5 axes, 3D tool radius compensation, measure kinematics	1) SW version 2.6 and higher.	**6FC5800-0AS33-0YB0**	**S33**
Handling package[1)] Contains the options: 3 additional axes, 3 additional channels, transformation package handling[2)], synchronous actions level 2	1) SW version 2.6 and higher. Tool offsets and spindles are not possible. 2) Precondition: Loadable compile cycle.	**6FC5800-0AS31-0YB0**	**S31**
Velocity adaptation VADA	Precondition: Loadable compile cycle.	**6FC5800-0AN05-0YB0**	–

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
										Technologies
–	n	v	v	v	v					
–	n	v	v	v	v					
–	n	n	n	n	n					
–	n	n	n	n	n					
–	–	v	v	v	v					
–	–	v 1)	v	v 1)	v					
–	–	v 1)	v	v 1)	v					
–	–	–	v	–	v					
–	–	–	v	–	v					
–	–	–	v	–	v					
–	–	–	–	v	v	v	–	–	–	–
–	–	–	–	–	v 1)	v	–	–	–	–
–	–	–	v	–	v			–	–	–
–	–	–	v	–	v					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	Order No. Type (for complete Order No., see notes)	Order code
Motion-synchronous actions			
High-speed CNC inputs/outputs			
• Digital inputs on-board	1) Precondition: MCPA. 2) Precondition: MCI board extension.		
• Digital inputs or outputs on-board	1) Precondition: MCPA. 2) Precondition: MCI board extension.		
• Expansion via SIMATIC S7 I/O 32 digital inputs/32 digital outputs 4 analog inputs/4 analog outputs			
Synchronized actions (max. 24) and high-speed auxiliary function output incl. 3 synchronous functions	Max. 159 elements for synchronized actions. 1) With restricted functionality, see export versions.		
Synchronized actions stage 2	1) With restricted functionality, see export versions.	**6FC5800-0AM36-0YB0**	**M36**
Positioning axes and spindles via synchronized actions (command axes)			
Analog value control in interpolation cycle (IPO cycle) (precondition: analog output)	1) Precondition: SIMATIC DP ET 200 analog module.		
Analog output, path-velocity-dependent Laser power control	1) Precondition: SIMATIC DP ET 200 analog module.	**6FC5800-0AM37-0YB0**	**M37**
Laser switching signal, high-speed, HSLC	Precondition: Loadable compile cycle.	**6FC5800-0AM38-0YB0**	**M38**
Clearance control:			
• 1D in interpolation cycle via synchronized actions			
• Clearance control 1D/3D in position control cycle CLC including in the interpolation cycle	Precondition: Loadable compile cycle 1) With restricted functionality, see export versions.	**6FC5800-0AM40-0YB0**	**M40**
• 1D/3D clearance control in position control cycle, free direction	Precondition: Loadable compile cycle and M40.	**6FC5800-0AM65-0YB0**	**M65**
Evaluation of internal drive variables (precondition for Adaptive Control)	1) With plus and pro versions.	**6FC5800-0AM41-0YB0**	**M41**
Continuous dressing (parallel dressing, online modification of the tool offset)			
Asynchronous subroutines ASUB:	High-speed CNC inputs/outputs required.		
• Interrupt routines with fast retraction from the contour		**6FC5800-0AM42-0YB0**	**M42**
Cross-mode actions (ASUBs and synchronized actions in all operating modes)		**6FC5800-0AM43-0YB0**	**M43**

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl				Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Motion-synchronous actions										
8 1)	8 1)	4 2)	4 2)	4	4					
8 1)	8 1)	4 2)	4 2)	4	4					
–	–	v	v	v	v					
–	–	n 1)	n	n 1)	n					
–	–	v 1)	v	v 1)	v					
–	–	n	n	n	n					
–	–	n 1)	n 1)	n	n					
–	–	v 1)	v 1)	v	v					
–	–	v	v	v	v					
–	–	n	n	n	n					
–	–	v 1)	v	v 1)	v					
–	–	v	v	v	v					
v 1)	v 1)	–	–	v	v					
–	n	n	n	n	n					
–	–	n	n	n	n					
–	–	v	v	v	v					
–	–	v	v	v	v					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	Order No. Type (for complete Order No., see notes)	Order code
Open Architecture			
User interface expansion • Free screens			
SINUMERIK HMI programming package (OEM contract required)	See HMI software for CNC controls. 1) Precondition: PCU 50.3.	**6FC5253-0BX20-0AG0** **6FC5253-. BX20-. AG0** **6FC5253-0BX20-0AG1** **6FC5253-0BX20-0AG2** **6FC5253-. BX20-. AG3**	
SINUMERIK HMI configuring package WinCC flexible 2008 (OEM contract required)	See HMI software for CNC controls. 1) Precondition: PCU 50.3.	**6FC5253-0CX25-0AG0** **6FC5253-. CX25-. AG0** **6FC5253-0CX25-0AG1** **6FC5253-0CX25-0AG2** **6FC5253-. CX25-. AG3**	
SINUMERIK HMI copy license OA and Expand User Interface from the 21st screen		**6FC5800-0AP02-0YB0**	**P02**
SINUMERIK Operate programming package (OEM contract required)	See HMI software for CNC controls.	**6FC5861-1YC00-0YA0** **6FC5861-1YC..-.YA0** **6FC5861-1YP00-0YB0** **6FC5861-1YP00-0YL8** **6FC5861-1YC..-.YA8**	
SINUMERIK HMI copy license CE		**6FC5800-0AP03-0YB0**	**P03**
SINUMERIK Operate runtime license OA Programming		**6FC5800-0AP60-0YB0**	**P60**
SINUMERIK Operate runtime license OA Easy Screen		**6FC5800-0AP64-0YB0**	**P64**
OA package NCK (OEM contract required)	See Basic components.		
SINUMERIK NCK Runtime OA	See Basic components. 1) On request.	**6FC5800-0AM04-0YB0**	**M04**
CNC programming language			
Programming language (DIN 66025 and high-level language expansion)			
Main program call from main program and subroutine			
Subroutine levels/interrupt routines, max.	1) SW version 1.5/2.5 and higher.		
Number of subroutine passes ≤ 9999			
Number of levels for skip blocks (/0 to /...)			
Polar coordinates			
1/2/3-point contours	1) With value version.		
Dimensions metric/inch, changeover manually or via program			
Inverse time feedrate			

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Open Architecture										
–	–	x	x	x	x	–	n 20	n 20	n 20	n 20
–	–	v	v	v 1)	v 1)	–	v	–	–	–
–	–	v	v	v 1)	v 1)	–	v	–	–	–
–	–	v	v	v	v	–	v	v	v	v
–	–	–	–	v	v	v	–	–	–	–
–	–	v	v	v	v					
–	–	–	–	v	v	v	–	–	–	–
–	–	–	–	v	v	v	–	–	–	–
–	–	–	–	–	v					
–	–	–	v 1)	–	v					
CNC programming language										
n	n	n	n	n	n					
n	n	n	n	n	n					
8/0	8/0	11/4	11/4	16/2[1)]	16/2[1)]					
n	n	n	n	n	n					
1	1	8	8	8	8					
n	n	n	n	n	n					
n 1)	–	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
CNC programming language (continued)			
Auxiliary function output			
• Via M word, max. programmable value range: INT 2^{31} -1			
• Via H word, max. programmable value range: REAL ± 3.4028 ex 38 (display: ± 999999999.9999) INT -2^{31}... 2^{31} -1	1) With plus and pro versions.		
High-level CNC language with:			
• User variables, configurable			
• Predefined user variables (arithmetic parameters)			
• Predefined user variables (arithmetic parameters), configurable			
• Read/write system variables	1) Restricted scope.		
• Indirect programming			
• Program jumps and branches			
• Program coordination with WAIT, START, INIT			
• Arithmetic and trigonometric functions			
• Compare operations and logic operations			
• Macro technique			
• Control structures IF-ELSE-ENDIF			
• Control structures WHILE, FOR, REPEAT, LOOP			
• Commands to HMI			
• STRING functions			
Program functions:			
• Dynamic preprocessing memory (FIFO)			
• Look ahead			
• Frame concept			
• Inclined-surface machining with frames			
• Axis/spindle replacement			
• Geometry axes, switchable online in the CNC program			
• Program preprocessing	1) SW version 1.5/2.5 and higher in basic version.	**6FC5800-0AM00-0YB0**	**M00**
Online ISO dialect interpreter			

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
CNC programming language (continued)										
n	n	n	n	n	n					
n 1)	n	n	n	n	n					
–	–	n	n	n	n					
n	n	n	n	n	n					
–	–	n	n	n	n					
n 1)	n 1)	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
–	–	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
–	–	n	n	n	n					
n	n	n	n	n	n					
–	–	n	n	n	n					
–	–	X	X	x	x	–	n	n	n	n
–	–	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
–	–	n	n	n	n					
–	–	n	n	n	n					
–	–	n	n	n	n					
–	–	v	v	v 1)	v 1)					
n	–	n	n	n	n					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
CNC programming language (continued)			
Program/workpiece management:			
• Part programs on NCU, max. number	In total max. 512 files per directory.		
• Workpieces on NCU, max. number	In total max. 256 directories.		
• Workpieces on hard disk, max. number	In total max. 100000 user files.		
• In additional HMI user memory on CF card of the NCU	In total max. 100000 user files and directories.		
• On additional plug-in CF card	1) On the front. 2) With PCU 50.3.		
• On integral hard disk of PCU 50.3			
• On USB storage medium, e. g. floppy disk drive, memory stick			
• On network drive	1) With pro version. 2) Precondition: Managing of network drives. 3) SW version 2.6 and higher in basic version.		
• Templates for workpieces, programs and INI files			
• Job lists			
Number of basic frames, max.			
Number of settable offsets, max.			
Zero/work offsets, programmable (frames)			
Scratching, determining zero/work offset			
Zero/work offsets, external (PLC)			
Global and local user data			
Global program user data			
Display system variables (also via online configurable display) and log them	1) With PCU 50.3.		

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
CNC programming language (continued)										
99	99	500	500	500	500					
–	–	250	250	250	250	250	250	250	250	250
–	–	1000	1000	v	v	100000	1000		1000	1000
–	–	–	–	v	v					
n 1)	n 1)	X 2)	X 2)	X 2)	X 2)					
–	–	n	n	x	x	–	n	–	n	n
–	–	v	v	v	v	n	n	n	n	n
n 1)	n 1)	x	x	n 3)	n 3)	v 2)	v 2)	v 2)	v 2)	v 2)
–	–	X	X	x	x	–	n	–	–	–
–	–	X	X	x	x	–	n	–	–	–
1	1	X	X	16	16	16	16	16	1	1
6	6	X	X	100	100	100	100	100	100	100
–	–	n	n	n	n					
n	n	X	X	x	x	–	n	n	n	n
–	–	n	n	n	n	n	n	n	n	n
–	–	X	X	n	n	n	n	n	n	n
–	–	X	X	n	n	n	n	n	n	n
–	–	X	X	x	x	n	n	–	n 1)	n 1)

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	Order No. Type (for complete Order No., see notes)	Order code
Programming support			
Program editor:			
• Text editor with editing functions: Marking, copying, deleting			
• Dual editor			
• Write protection for lines			
• Suppression of lines in the display			
• Machining step programming		**6FC5800-0AP04-0YB0**	**P04**
Multiple clamping of various workpieces	1) Precondition: P04	**6FC5800-0AP14-0YB0**	**P14**
ShopMill/ShopTurn			
• Machining step programming		**6FC5800-0AP17-0YB0**	**P17**
Programming support for geometry entries:			
• ProgramGUIDE (programming support for cycles, dynamic programming graphics, animated elements)	1) SW version 2.5 and higher.		
Geometry processor with programming graphics/ Free contour input (contour calculator)	1) With plus and pro versions.		
• Screens for 1/2/3-point contours (contour definition programming)			
Programming support for cycles:			
• Screens and stationary auxiliary displays	1) On request.		
• Dynamic programming graphics during programming			
• Programming support is expandable, e. g. customer cycles	1) On request. 2) With Expand User Interface, see HMI/MMC Commissioning Manual. 3) With SINUMERIK Operate runtime license OA Easy Screen.		
Process-oriented cycles for drilling/milling and turning	1) SW version 2.5 and higher.		
Pocket milling with free contour definition and islands			
Residual material detection and machining for contour pockets and cutting	1) Precondition: Machining step programming. 2) SW version 2.6 and higher.	**6FC5800-0AP13-0YB0**	**P13**
Access protection for cycles			
Cycle protection (OEM)	1) SW version 2.6 and higher.	**6FC5800-0AP54-0YB0**	**P54**
Programming and operator support for machines:			
• ShopTurn HMI			
• Manual machine (ShopTurn manual)		**6FC5800-0AP11-0YB0**	**P11**
• ShopMill HMI			
• ShopTurn HMI/ShopMill HMI for SINUMERIK 840Di sl incl. HMI-Advanced	1) Up to SW version 1.4.	**6FC5800-0AP15-0YB0**	–
CAD Reader for PC	See HMI software for CNC controls.	**6FC5260-0AY00-0AG1** **6FC5260-0AY00-0AG0** **6FC5260-.AY00-.AG0** **6FC5260-0AY00-0AG2** **6FC5260-.AY00-.AG8**	

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
										Programming support
n	n	n	n	x	x	n	n	n	n	n
–	–	X	X	x	x	–	n	n	–	–
–	–	X	X	x	x	n	n	n	n	n
–	–	X	X	x	x	n	n	n	n	n
–	–	x	x	x	x	–	–	–	v	v
–	–	x	x	x	x	–	–	–	v 1)	–
–	–	x	x	x	x	v	–	–	–	–
–	–	X	X	x	x	n 1)	–	–	–	–
n 1)	n	X	X	x	x	–	n	n	n	n
n	n	X	X	x	x	–	n	n	n	n
1)	1)	X	X	x	x	–	n	n	n	n
–	–	x	x	x	x	–	–	–	n	n
1)	1)	X	X	x	x	n 3)	n 2)	n 2)	n 2)	n 2)
n	–	X	X	x	x	n 1)	n	n	n	n
–	–	X	X	x	x	–	–	–	n	n
–	–	x	x	x	x	v 2)	–	–	v 1)	v 1)
n	n	n	n	n	n	n	n	n	n	n
–	–	v	v	v 1)	v 1)	v	v	–	–	–
–	–	x	x	x	x	–	–	–	–	n
–	–	x	x	x	x	–	–	–	–	v
–	–	x	x	x	x	–	–	–	n	–
–	–	v 1)	v 1)	–	–					
–	–	v	v	v	v					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Simulation			
Up to *n* channels can be simulated sequentially			
Several channels and programs can machine the same blank part in succession			
Simulation of program X, while program Y is being executed			
Quick view for mold-making programs	1) With PCU 50.3.		
Drilling/milling (tool carrier vertical to the workpiece):			
• Single-sided 2D view, dynamic			
• Simulation of milling multiple sides 2D dynamic, 3D static		**6FC5800-0AP21-0YB0**	**P21**
• ShopMill simultaneous recording Real-time simulation of current machining operation		**6FC5800-0AP23-0YB0**	**P23**
Turning (tool carrier vertical to the workpiece):			
• Traverse path simulation without model, broken-line graphics			
• Contour of blank part can be specified			
• Simulation in working plane G18			
• Simulation in working planes G17/G19			
• Full cut/partial cut with circumferential edges, front face and peripheral surfaces, milling and drilling operations			
• Counterspindle			
• 3D simulation of the finished part		**6FC5800-0AP20-0YB0**	**P20**
• ShopTurn simultaneous recording Real-time simulation of current machining operation		**6FC5800-0AP24-0YB0**	**P24**
Drilling/milling/turning (tool carrier vertical to the workpiece):			
• Simultaneous recording (real-time simulation of current machining)		**6FC5800-0AP22-0YB0**	**P22**
• 2D simulation (finished part)			
• 3D simulation 1 (finished part)		**6FC5800-0AP25-0YB0**	**P25**
Grinding and nibbling: • Traverse path simulation without model (broken-line graphics)			

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
										Simulation
–	–	2	2	10	10	1	10	1	1	1
–	–	X	X	x	x	–	n	–	–	–
–	–	X	X	x	x	–	n	–	–	–
–	–	x	x	x	x	–	n	–	n 1)	–
n	–	–	–	–	–	–	–	–	–	–
–	–	X	X	x	x	–	n	v	n	–
–	–	x	x	x	x	–	–	–	v	–
n	–	X	X	x	x	–	n	n	–	–
–	–	X	X	x	x	–	n	–	–	n
–	–	X	X	x	x	–	n	n	–	n
–	–	X	X	x	x	–	n	–	–	n
–	–	X	X	x	x	–	n	–	–	n
–	–	X	X	x	x	–	n	–	–	n
–	–	x	x	x	x	–	–	–	–	v
–	–	x	x	x	x	–	–	–	–	v
–	–	X	X	x	x	v	–	–	–	–
–	–	X	X	x	x	n	–	–	–	–
–	–	X	X	x	x	v	–	–	–	–
–	n	–	–	–	–					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	Order No. Type (for complete Order No., see notes)	Order code
Operating modes			
JOG:			
• Handwheel selection			
• Switchover: inch/metric			
• Manual measurement of zero/work offset			
• Manual measurement of tool offset			
• Automatic tool/workpiece measurement	1) Tool measuring only.		
• Dressing grinding wheels			
• Reference point approach automatic/via CNC program			
MDA:			
• Input in text editor			
• Save MDA program			
• Input screen forms for technology and positioning, cycle support			
Teach-in:			
• Teach positions in MDA buffer			
• Teach-in function handling			
Automatic:			
• Execution from storage medium on rear USB interface of TCU/PCU, e.g. card reader, memory stick			
• Execution of HMI memory on NCU's CF card	1) External CF card on the front. 2) On external CF card in PCU 50.3. 3) On CF card of NCU, not with HMI on PCU 50.3.	**6FC5800-0AP12-0YB0**	**P12**
• Execution from network drive	1) With pro version. 2) Precondition: Managing of network drives. 3) SW version 2.6 and higher.	**6FC5800-0AP01-0YB0**	**P01**
• Execution from hard disk	1) On PCU 50.3.		
• Program control			
• Program editing			
• Overstoring			
• DRF offset			
• Block search with/without calculation			
Repos (repositioning on the contour)			
• With operator command/semi-automatically			
• Program-controlled			
Preset			
Set actual value			

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
										Operating modes
n	n	n	n	n	n	n	n	n		
n	n	X	X	n	n	n	n	n	–	–
n	n	X	X	n	n	n	n	n	n	n
n	–	X	X	x	x	n	n	n	n	n
n	–	x	x	x	x	n	–	–	n	n
n 1)	–	X	X	X	X	n	v	–	n	n 1)
–	n	–	–	–	–	–	–	–	–	–
n	n	n	n	n	n	n	n	n	n	n
n	n	X	X	n	n	n	n	n		
n	n	X	X	n	n	n	n	n	n	n
n	n	X	X	n	n	n	n	n	–	–
–	–	X	X	n	n	–	–	–	n	n
n	–	X	X	n	n	n	n	n	–	–
n	–	X	X	n	n	n	n	n	–	–
–	–	–	–	n	n	n	n	n	–	–
n	n	n	n	n	n	n	n	n	n	n
–	–	X	X	n	n	n	n	n	n	n
n 1)	n 1)	n 2)	n 2)	v 3)	v 3)	v 3)	–	v	v 3)	v 3)
n 1)2)	n 1)2)	X	X	n 2)3)	n 2)3)	n 3)	v 2)	v 2)	v	v
–	–	X	X	x	x	n 1)	n	–	n 1)	n 1)
n	n	X	X	n	n	n	n	n	n	n
n	n	X	X	n	n	n	n	n	n	n
–	–	X	X	n	n	–	n	n	n	n
–	–	X	X	n	n	n	n	n	n	n
n	n	X	X	n	n	n	n	n	n	n
n	n	n	n	n	n	n	n	n	n	n
–	–	n	n	n	n	n	n	n	n	n
n	n	n	n	n	n	n	n	n	n	n
n	n	X	X	n	n	–	n	n	n	n
–	–	X	X	n	n	–	n	n	n	n

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Tools			
Tool types:			
• Turning			
• Drilling/milling			
• Grinding			
• Nibbling			
• Groove sawing			
Tool radius compensations in plane:			
• With approach and retract strategies			
• With transition circle/ellipse on outer edges			
Configurable intermediate blocks with tool radius compensation active			
3D tool radius compensation		**6FC5800-0AM48-0YB0**	**M48**
Tool change via T number			
Tool carrier with orientation capability			
Look-ahead detection of contour violations			
Grinding-specific tool offset with grinding wheel surface speed			
Tool orientation interpolation	Precondition: Machining package 5 axes.		
Online tool length compensation			
Operation without tool management:			
• Tool offset selection via D number without T assignment (flat D number)			
• Editing of tool data			
• Tool offset selection via T and D numbers			
• Number of tools/cutting edges in tool list	1) With value version: 32. With plus version: 64.		
Operation with tool management, up to 3 tool magazines (corresponding to one real magazine)	1) SW version 1.5/2.5 and higher.		
Operation with tool management with more than 3 magazines	1) SW version 1.5/2.5 and higher.	**6FC5800-0AM88-0YB0**	**M88**
• System displays in standard software			
• User-friendly commissioning via system displays	1) Precondition: PCU 50.3.		
• Tool list			
• Configurable tool lists	1) One configured list is possible.		
• Number of tools/ cutting edges in tool list			

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
										Tools
n	–	X	X	n	n	n	n	n	–	n
n	–	X	X	n	n	n	n	n	n	n
–	n	X	X	n	n	–	n	n	–	–
–	n	X	X	n	n	–	n	n	–	–
–	–	X	X	n	n	–	n	n	–	–
–	–	n	n	n	n					
n	n	n	n	n	n					
–	–	n	n	n	n					
–	–	v	v	v	v	v	v	v	v	–
n	n	n	n	n	n	n	n	n	n	n
–	–	n	n	n	n	n	n	n	n	–
n	n	n	n	n	n					
–	n	n	n	n	n	n	n	n	–	–
–	–	–	n	–	n					
–	–	–	–	n	n					
n	n	X	X	n	n	n	n	n	–	–
–	–	X	X	n	n	–	n	n	–	–
n	n	X	X	n	n	n	n	n	–	–
n	n	n	n	n	n	n	n	n	–	–
128 1)	128 1)	X 600/ 1500	X 600/ 1500	600/ 1500	600/ 1500				–	–
–	–	–	–	n 1)	n 1)					
–	–	–	–	v 1)	v 1)					
–	–	–	–	n	n	n	n	n	n	n
–	–	–	–	X	X	n	n	–	n 1)	n 1)
–	–	–	–	n	n	n	n	n	n	n
–	–	–	–	n	n	n 1)	n	–	n 1)	n 1)
–	–	X 600/ 1500	X 600/ 1500	600/ 1500	600/ 1500					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Tools (continued)			
Operation with tool management with more than 3 magazines (continued)			
• Unambiguous D number structure			
• Tool offset selection via T and D numbers			
• Editing of tool data			
• Editing of OA data	1) In configured list.		
• Magazine list			
• Configurable magazine list			
• Max. number of magazines			
• Magazine data			
• Vacant position search and positioning			
• Easy vacant position search using softkeys			
• Loading and unloading of tools			
• More than one loading and unloading point per magazine			
• Tool cabinet and tool catalog			
• Loading and unloading via code carrier system			
• Adapter data			
• Local compensations			
• Monitoring of tool life and workpiece count			
Operation with tool management:	1) Up to SW version 1.4. 2) Up to SW version 1.4./2.4	**6FC5800-0AM50-0YB0**	**M50**
• System displays in standard software			
• Comfortable commissioning via system displays	1) Precondition: PCU 50.3.		
• Tool list			
• Configurable tool lists	1) One configured list is possible.		
• Number of tools/cutting edges in tool list			
• Unambiguous D number structure			
• Tool offset selection via T and D numbers			
• Editing of tool data			
• Editing of OA data	1) In configured list.		
• Magazine list			
• Configurable magazine list			
• More than one magazine is possible			
• Magazine data			

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Tools (continued)										
–	–	X	X	X	X	n	n	–	–	–
–	–	n	n	n	n					
–	–	X	X	n	n					
–	–	X	X	n	n	n	n	n	n 1)	n 1)
–	–	X	X	n	n	n	n	n	n	n
–	–	X	X	n	n	n	n	–	–	–
–	–	32	32	32	32					
–	–	X	X	n	n	n	n	v	n	n
–	–	X	X	n	n	n	n	v	n	n
–	–	X	X	n	n	n	n	–	–	–
–	–	X	X	n	n	n	n	v	n	n
–	–	X	X	n	n	n	n	–	–	–
–	–	X	X	n	n	–	n	–	–	–
–	–	X	X	n	n	–	n	–	–	–
–	–	X	X	n	n	–	n	–	–	–
–	–	X	X	n	n	–	n	–	–	–
n	n	X	X	n	n	n	n	n	n	n
–	–	X 1)	X 1)	v 2)	v 2)	v	v	v	n	n
–	–	X	X	v	v	v	v	v	n	n
–	–	X	X	v	v	–	v	–	n 1)	n 1)
–	–	v	v	v	v	v	v	v	n	n
–	–	v	v	v	v	v 1)	v	–	n 1)	n 1)
–	–	X 600/ 1500	X 600/ 1500	600/ 1500	600/ 1500					
–	–	X	X	v	v	–	v	–	–	–
–	–	n	n	n	n	v	v	v	n	n
–	–	X	X	v	v	v	v	v	n	n
–	–	X	X	v	v	v	v	v	n 1)	n 1)
–	–	X	X	v	v	v	v	v	n	n
–	–	X	X	v	v	v	v	–	–	–
–	–	32	32	32	32	32	32	32	32	32
–	–	X	X	v	v	v	v	v	n	n

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Tools (continued)			
Operation with tool management (continued):			
• Vacant position search and positioning			
• Easy vacant position search using softkeys			
• Loading and unloading of tools			
• More than one loading and unloading point per magazine			
• Tool cabinet and tool catalog			
• Loading and unloading via code carrier system			
• Adapter data			
• Local compensations			
• Monitoring of tool life and workpiece count			
TDI – Tool management functions for individual machines and networked machines:	See HMI software for CNC controls – MCIS software. 1) On PCU 50.3.		
• TDI IFC Tool management, version with network capability	On request. 1) On PCU 50.3.		
• TDI Overview Overview of actual tool data, local version	1) On PCU 50.3.	**6FC5800-0AP34-0YB0** **6FC6000-2EC00-0AA8** **6FC6000-2EC0. -. AA8**	**P34**
• TDI Toolhandling Tool handling, local version	1) On PCU 50.3.	**6FC5800-0AP35-0YB0** **6FC6000-2FC00-0AA8** **6FC6000-2FC0. -. AA8**	**P35**
• TDI Planning Tool planning, local version	1) On PCU 50.3.	**6FC5800-0AP36-0YB0** **6FC6000-2GC00-0AA8** **6FC6000-2GC0. -. AA8**	**P36**
• TDI Statistic Tool statistics, local version	1) On PCU 50.3.	**6FC5800-0AP51-0YB0** **6FC6000-2KC00-0AA8** **6FC6000-2KC0. -. AA8**	**P51**
• TDI Cell		**6FC6000-2BF00-0AB0** **6FC6000-2BC00-0AA0** **6FC6000-2BC0. -. AA0**	
• TDI Machine Tool management, local version	1) On PCU 50.3.	**6FC5800-0AP37-0YB0** **6FC6000-2AC00-0AA8** **6FC6000-2AC0. -. AA8**	**P37**
• TDI Toolplan Generation Tool plan generation, local version	1) On PCU 50.3.	**6FC5800-0AP38-0YB0** **6FC6000-2JC00-0AA8** **6FC6000-2JC0. -. AA8**	**P38**
• TDI Ident Connection Interfacing of tool identification systems	1) On PCU 50.3.	**6FC6000-2HF00-0AB0** **6FC6000-2HC00-0AA0** **6FC6000-2HC0. -. AA0**	

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Tools (continued)										
–	–	X	X	v	v	v	v	v	n	n
–	–	X	X	v	v	–	v	–	–	–
–	–	X	X	v	v	v	v	v	n	n
–	–	X	X	v	v	v	v	–	–	–
–	–	X	X	v	v	–	v	–	–	–
–	–	X	X	v	v	–	v	–	–	–
–	–	X	X	v	v	–	v	–	–	–
–	–	X	X	v	v	–	v	–	–	–
n	n	X	X	v	v	v	v	v	n	n
–	–	X	X	x	x	–	v	–	v 1)	v 1)
–	–	X	X	x	x	–	v	–	v 1)	v 1)
–	–	X	X	x	x	–	v	–	v 1)	v 1)
–	–	X	X	x	x	–	v	–	v 1)	v 1)
–	–	X	X	x	x	–	v	–	v 1)	v 1)
–	–	X	X	x	x	–	v	–	v 1)	v 1)
–	–	X	X	x	x	–				
–	–	X	X	x	x	–	v	–	v 1)	v 1)
–	–	X	X	x	x	–	v	–	v 1)	v 1)
–	–	X	X	x	x	–	v	–	v 1)	v 1)

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Communication/data management			
HMI user memory, additional on CF card of NCU	See Basic components. 1) On external CF card on the front. 2) On external CF card in PCU 50.3. 3) On CF card of NCU, not with HMI on PCU 50.3.	**6FC5800-0AP12-0YB0**	**P12**
Data on storage medium on rear USB interface of TCU/PCU, e.g. card reader, memory stick	1) Two plant HMIs can be accessed per plant network.		
Data on storage medium on front USB interface of operator panel, e. g. memory stick	1) One is possible per operator panel.		
Additional network drive management:			
• Via Ethernet, max. 4	1) With pro version. 2) SW version 2.6 and higher.	**6FC5800-0AP01-0YB0**	**P01**
• Via USB			
• Via CF card of the PCU			
Serial interface RS 232 C	1) On PCU 50.3.		
I/O interfacing via PROFIBUS DP			
Axis data output via PROFIBUS ADAS	Precondition: Loadable compile cycle.	**6FC5800-0AN07-0YB0**	**N07**
Data backup on hard disk	1) On PCU 50.3.		
Data backup with Ghost (Backup/Restore) on hard disk/network	1) On PCU 50.3.		
Data backup for NCU CF card (Backup/Restore) on memory stick or via network	1) With pro version.		
DNC – Direct Numeric Control:	See HMI software for CNC controls – MCIS software.		
• DNC Machine CNC program transfer	1) On PCU 50.3.	**6FC5800-0AP40-0YB0** **6FC6000-0AC00-0AA8** **6FC6000-0AC0. -. AA8** **6FC6000-0AC0. -. AE0** **6FC6000-0AC00-0AT7** **6FC6000-0AC0. -. AT7**	**P40**
• DNC Cell CNC program management		**6FC6000-0BF00-0AB0** **6FC6000-0BC00-0AA0** **6FC6000-0BC0. -. AA0** **6FC6000-0BC0. -. AE0**	
• DNC Plant CNC program management		**6FC6000-0CF00-0AB0** **6FC6000-0CC00-0AA0** **6FC6000-0CC0. -. AA0**	

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Communication/data management										
n 1)	n 1)	n 2)	n 2)	v 3)	v 3)	v 3)	–	v	v 3)	v 3)
–	–	X	X	n	n	n 1)	n 1)	n 1)	n 1)	n 1)
–	–	X	X	n	n	n 1)	n 1)	n 1)	n 1)	n 1)
n 1)	n 1)	X	X	x	x	n 2)	n 2)	v	v	v
–	–	X	X	x	x	n	n	n	n	n
–	–	X	X	x	x	n	n	n	n	n
n	n	n	n	v	v	n 1)	n 1)	–	n 1)	n 1)
n	n	n	n	n	n					
–	–	–	–	v	v					
–	–	X	X	x	x	n 1)	n	–	n 1)	n 1)
–	–	n	n	x	x	n 1)	n	–	n 1)	n 1)
n 1)	n 1)	–	–	n	n					
–	–	X	X	x	x	–	v	–	v 1)	v 1)
–	–	v	v	v	v	–				
–	–	v	v	v	v	–				

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	Order No. Type (for complete Order No., see notes)	Order code
Communication/data management (continued)			
DNC – Direct Numeric Control (continued):	See HMI software for CNC controls – MCIS software.		
• DNC HMI Additional PC user interface		**6FC6000-0DF00-0AB0**	
• DNC IFC SINUMERIK CNC program transfer via network on the control	1) On PCU 50.3.	**6FC5800-0AP41-0YB0**	**P41**
• DNC IFC Serial Connection for serial CNC	1) On PCU 50.3.	**6FC6000-0FF00-0AB0**	
• DNC IFC Dialog Option for serial CNC	1) On PCU 50.3.	**6FC6000-0GF00-0AB0**	
• DNC IFC Filesystem Connection for network-capable CNC machines	1) On PCU 50.3.	**6FC6000-0KF00-0AB0**	
• DNC Compare CNC program comparison	1) On PCU 50.3.	**6FC6000-0HF00-0AB0**	
RPC SINUMERIK:	See HMI software for CNC controls – MCIS software.		
• RPC SINUMERIK Data exchange between CNC and host computer (computer link)	1) On PCU 50.3.	**6FC5800-0AP50-0YB0** **6FC6000-7AC00-0AA8** **6FC6000-7AC0. -. AA8** **6FC6000-7AC0. -. AE0**	**P50**
ADDM – Automation Data Management:	See HMI software for CNC controls – MCIS software.		
• ADDM – Data Management Data management system	Precondition: SIMATIC STEP 7	**6BQ3030-1AA00-3AD0** **6BQ3030-1AA10-0AD0** **6BQ3030-1AA20-1AC0** **6BQ3030-1AA30-3AD0** **6BQ3030-1AA70-3AD0**	
• ADDM Agent Client for data backup	1) On PCU 50.3.	**6FC5800-0AP48-0YB0**	**P48**
Production data evaluation			
MDA – Machine Data Acquisition (machine and production data acquisition):	See HMI software for CNC controls – MCIS software.		
• MDA Cell Machine and production data management		**6FC6000-3BF00-0AB0** **6FC6000-3BC00-0AA0** **6FC6000-3BC0. -. AA0** **6FC6000-3BC0. -. AE0**	
• MDA IFC (interface client) Production data acquisition for network-capable controls	1) On PCU 50.3.	**6FC5800-0AP43-0YB0**	**P43**
• MDA Machine Production data acquisition, local version	1) On PCU 50.3.	**6FC5800-0AP42-0YB0** **6FC6000-3AC00-0AA8** **6FC6000-3AC0. -. AA8** **6FC6000-3AC0. -. AE0** **6FC6000-3AC00-0AT7** **6FC6000-3AC0. -. AT7**	**P42**

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl				Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Communication/data management (continued)										
–	–	v	v	v	v					
–	–	X	X	x	x	–	v	–	v 1)	v 1)
–	–	X	X	x	x	–	v	–	v 1)	v 1)
–	–	X	X	x	x	–	v	–	v 1)	v 1)
–	–	X	X	x	x	–	v	–	v 1)	v 1)
–	–	X	X	x	x	–	v	–	v 1)	v 1)
–	–	X	X	x	x	v	v	–	v 1)	v 1)
–	–	v	v	v	v					
–	–	X	X	x	x	–	v	–	v 1)	v 1)
Production data evaluation										
–	–	v	v	v	v	–				
–	–	X	X	x	x	–	v	–	v 1)	v 1)
–	–	X	X	x	x	–	v	–	v 1)	v 1)

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Operation			
Operator panels:			
• SINUMERIK 802D sl, 10.4" color			
Operator panel fronts:			
• OP 015, 15" color		**6FC5203-0AF03-0AA0**	
• OP 015A, 15" color		**6FC5203-0AF05-0AB0**	
• TP 015A, 15" color, touch		**6FC5203-0AF08-0AB2**	
• OP 012, 12.1" color		**6FC5203-0AF02-0AA1**	
• OP 010, 10.4" color		**6FC5203-0AF00-0AA1**	
• OP 010C, 10.4" color		**6FC5203-0AF01-0AA0**	
• OP 010S, 10.4" color		**6FC5203-0AF04-0AA0**	
Thin Client Unit for operator panel fronts:			
• TCU		**6FC5312-0DA00-0AA1**	
Operator panel fronts with integrated TCU:			
• OP 08T, 8" color		**6FC5203-0AF04-1BA0**	
• OP 015AT, 15" color		**6FC5203-0AF05-1AB0**	
• TP 015AT, 15" color, touch		**6FC5203-0AF08-1AB2**	
Additional components for Thin Client:			
• Switch SCALANCE XB005 unmanaged		**6GK5005-0BA00-1AB2**	
• Switch SCALANCE X005 unmanaged		**6GK5005-0BA00-1AA3**	
• Switch SCALANCE X108 unmanaged		**6GK5108-0BA00-2AA3**	
• Switch SCALANCE X208 managed		**6GK5208-0BA10-2AA3**	
• Switch SCALANCE X208 PRO managed		**6GK5208-0HA00-2AA6**	
Industrial PC for operator panel fronts:			
• PCU 50.3-C 1.5 GHz/512 MB, Windows XP ProEmbSys		**6FC5210-0DF31-2AA0**	
• PCU 50.3-P 2.0 GHz/1 GB, Windows XP ProEmbSys		**6FC5210-0DF33-2AA0**	
• Memory expansion 512 MB for PCU 50.3		**6ES7648-2AG30-0GA0**	
• Memory expansion 1 GB for PCU 50.3		**6ES7648-2AG40-0GA0**	
Mounting hardware for PCU/TCU:			
• Mounting bracket for PCU/TCU behind operator panel front		**6FC5248-0AF20-2AA0**	
• Upright mounting bracket for PCU in control cabinet		**6FC5248-0AF20-1AA0**	
• Flat mounting bracket for PCU in control cabinet		**6FC5248-0AF20-0AA0**	

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
										Operation
n	n	–	–	–	–	–	–	–	–	–
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	n	n	v	v					
–	–	n	n	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	Order No. Type (for complete Order No., see notes)	Order code
Operation (continued)			
Software for:	See HMI software for CNC controls.		
• SINUMERIK PCU 50.3 for machine operation with SINUMERIK Operate	HMI software for PC/PG can be ordered separately. See Operator components for CNC controls.	**6FC5860-1YF00-0YA0** **6FC5860-1YF2.-.YA0** **6FC5860-1YC00-0YA0** **6FC5860-1YC2.-.YA0** **6FC5860-1YC2.-.YA8** **6FC5860-1YP00-0YL8**	
• PC for machine operation with SINUMERIK Operate		**6FC5860-2YC00-0YA0** **6FC5860-2YC2.-.YA0** **6FC5860-2YC2.-.YA8** **6FC5860-2YF00-0YB0** **6FC5860-2YP00-0YL8**	
• SINUMERIK PCU 50.3 for machine operation with HMI Startup			
• SINUMERIK PCU 50.3 for machine operation with HMI-Advanced	HMI software for PC/PG can be ordered separately. See Operator components for CNC controls. 1) SW version 1.4 SP1 and higher incl. ShopMill HMI/ShopTurn HMI.	**6FC5253-7BX10-. AF0** **6FC5253-0BX10-0AF0** **6FC5253-7BX10-. AG0** **6FC5253-0BX10-0AG1** **6FC5253-0BX10-0AG2** **6FC5253-7BX10-. AG3**	
• PC for machine operation with HMI-Advanced	See HMI software for CNC controls.	**6FC5253-7BX40-. AG0** **6FC5253-0BX40-0AG1** **6FC5253-0BX40-0AG2** **6FC5253-7BX40-. AG3**	
• SINUMERIK PCU 50.3 for machine operation with ShopMill HMI	Only data carrier without license required. Precondition: CNC software with ShopMill HMI. See Basic components.	**6FC5841-3YC .. - . YA8** **6FC5841-3XC .. - . YA8**	
• SINUMERIK PCU 50.3 for machine operation with ShopTurn HMI	Only data carrier without license required. Precondition: CNC software with ShopTurn HMI. See Basic components.	**6FC5842-3YC .. - . YA8** **6FC5842-3XC .. - . YA8**	
• SINUMERIK 840Di sl for machine operation with ShopMill HMI or ShopTurn HMI	Only data carrier without license required. See Basic components.	**6FC5820-3YC .. - . YA8** **6FC5820-3XC .. - . YA8**	
Connection for:			
• Standard monitor (DVI), VGA via ext. adapter for PCU 50.3			
• SIMATIC OP 177B/TP 177B, OP 277/TP 277 and MP 277/MP 377	WinCC flexible is required for OA applications.		
• SIMATIC OP 170B/TP 170B and OP 270/TP 270 with 6"/10" display and MP 170/MP 270B/MP 370 with keys/touch	WinCC flexible is required for OA applications.		

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl				Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Operation (continued)										
–	–	–	–	v	v	v				
–	–	–	–	v	v	v				
–	–	n	n	–	–					
–	–	n 1)	n 1)	v	v		v			
–	–	v	v	v	v		v			
–	–	–	–	X	X					
–	–	–	–	X	X					
–	–	X	X	–	–					
–	–	n	n	n	n					
–	–	n	n	n	n					
–	–	n	n	n	n					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	Order No. Type (for complete Order No., see notes)	Order code
Operation (continued)			
Software for:			
• SINUMERIK NCU 710.2/720.2/720.2 PN/730.2/730.2 PN for machine operation with HMI PRO sl RT	See HMI software for CNC controls.	**6FC5800-0AP47-0YB0** **6FC5867-3YC00-0YA8** **6FC5867-3YC2. - . YA8**	**P47**
• SIMATIC OP 177B/TP 177B/MP 277 operator panel for machine operation with HMI Lite CE	See HMI software for CNC controls.	**6FC5263-0PY11-0AG0** **6FC5263-. PY11-. AG0** **6FC5263-0PY11-0AG1**	
Control unit management:			
• Identical display on all OPs with TCU			
- Simultaneous operation interlock			
- Activate/deactivate MCP/MPP			
- Different resolutions, e. g. OP 010/OP 012			
- Up to 2 operator panel fronts, each with one TCU on an NCU 710.2			
- Up to 4 operator panel fronts, each with one TCU on an NCU 720.2/NCU720.2 PN/NCU 730.2/NCU 730.2 PN			
- Up to 4 operator panel fronts with one TCU each on a PCU 50.3 plus 1 additional operator panel front directly on the PCU 50.3	1) A number of proven configurations (see documentation for SINUMERIK 840Di sl).		
- From 2/4 operator panel fronts, as many operator panel fronts as required due to intelligent suppression	1) SW version 2.x and higher.		
• One or several TCUs which can be switched over via several NCUs and PCUs			
• One HMI-Advanced switchable via several NCUs			
• One integrated HMI and one external HMI-Advanced simultaneously on one NCU			
• Operator control without SINUMERIK operator panel		**6FC5800-0AP00-0YB0**	**P00**
• Operation via a VNC viewer			
Handheld units:			
• SINUMERIK HT 8 handheld terminal		**6FC5403-0AA20-0AA0**	
• SINUMERIK HT 8 handheld terminal (with handwheel)		**6FC5403-0AA20-1AA0**	
- Touch pen with holding loop		**6FC5348-0AA08-4AA0**	
- Wall holder for SINUMERIK HT 8 handheld terminal		**6AV6574-1AF04-4AA0**	
• SINUMERIK HT 2 handheld terminal		**6FC5303-0AA00-2AA0**	
- Magnetic clamp for SINUMERIK HT 2		**6FC5348-0AA08-0AA0**	
- Holder for SINUMERIK HT 2		**6FC5348-0AA08-1AA0**	
- Slide-in labels for inscribing (3 A4 sheets) for SINUMERIK HT 2		**6FC5348-0AA08-2AA0**	
• PN Basic connection module without emergency stop override, with switch, control cabinet mounting for SINUMERIK HT 8/HT 2		**6FC5303-0AA01-1AA0**	
• PN Basic connection box without emergency stop override, for SINUMERIK HT 8/HT 2		**6AV6671-5AE01-0AX0**	
• PN Plus connection box with emergency stop override, for SINUMERIK HT 8/HT 2		**6AV6671-5AE11-0AX0**	

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Operation (continued)										
–	–	–	–	v	v	–	–	–	v	–
–	–	–	–	v	v					
–	–	n	n	n	n					
–	–	n	n	n	n					
–	–	n	n	n	n					
–	–	–	–	n	n					
–	–	–	–	n	n					
–	–	n 1)	n 1)	n	n					
–	–	n	n	n 1)	n 1)	n	n	n	–	–
–	–	n	n	n	n					
–	–	–	–	n	n					
–	–	–	–	n	n					
–	–	v	v	v	v	v	v	–	–	–
–	–	n	n	n	n					
–	–	v	v	v	v	v	v	–	–	–
–	–	v	v	v	v	v	v	–	–	–
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Operation (continued)			
Handheld units (continued):			
• Handheld unit type B-MPI with coiled connecting cable		**6FX2007-1AE04**	
• Handheld unit type B-MPI with straight connecting cable		**6FX2007-1AE14**	
- Distributor		**6FX2006-1BH01**	
- Handwheel connection module for PROFIBUS	Not required for handwheel connection via machine control panel.	**6FC5303-0AA02-0AA0**	
• Mini handheld unit with coiled connecting cable		**6FX2007-1AD03**	
• Mini handheld unit with straight connecting cable		**6FX2007-1AD13**	
- Connection kit for mini handheld unit		**6FX2006-1BG03**	
- Handwheel connection module for PROFIBUS	Not required for handwheel connection via machine control panel.	**6FC5303-0AA02-0AA0**	
Machine control panels:			
• MCP		**6FC5603-0AD00-0AA2**	
• MCP 802D sl		**6FC5303-0AF30-1AA0**	
- MCPA module for MCP 802D sl connection and with ±10 V interface		**6FC5312-0DA01-0AA0**	
• MCP 310 C PN		**6FC5303-0AF23-0AA1**	
• MCP 310 PN		**6FC5303-0AF23-1AA1**	
- Actuating element, 22 mm, latching mushroom pushbutton, red		**3SB3000-1HA20**	
- Contact block		**3SB3400-0A**	
- Cable set for additional control devices		**6FC5247-0AA35-0AA0**	
- Spindle/rapid traverse override rotary switch 1x16G, T=24, cap, button, pointer, rapid traverse and spindle dials		**6FC5247-0AF12-1AA0**	
• MCP 483C PN - Cable set for additional control devices		**6FC5303-0AF22-0AA1** **6FC5247-0AA35-0AA0**	
• MCP 483 PN		**6FC5303-0AF22-1AA1**	
Push Button Panel with machine control panel functions:			
• MPP 310 IEH with connection for SINUMERIK HT 8		**6FC5303-1AF20-8AA1**	
• MPP 483		**6FC5303-1AF00-0AA1**	
• MPP 483 H for handheld unit		**6FC5303-1AF00-1AA1**	
• MPP 483 A without override		**6FC5303-1AF01-0AA1**	
• MPP 483 HTC with connection for SINUMERIK HT 8		**6FC5303-1AF00-8AA1**	
• MPP 483 IE		**6FC5303-1AF10-0AA0**	
• MPP 483 IEH with connection for SINUMERIK HT 8		**6FC5303-1AF10-8AA0**	
Electronic Key System EKS • Software option, delivery of a license	1) Not possible on PCU 50.3.	**6FC5800-0AP53-0YB0**	**P53**
Direct key module • Direct key module mounting kit		**6FC5247-0AF11-0AA0** **6FC5247-0AF30-0AA0**	

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl				Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Operation (continued)										
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
v	v	v	v	v	v					
v	v	v	v	v	v					
v	v	v	v	v	v					
–	–	v	v	v	v					
v	v	–	–	–	–					
v	v	–	–	–	–					
v	v	–	–	–	–					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v	v 1)	v	–	–	–
–	–	v	v	v	v					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Operation (continued)			
• Connection for electronic handwheels:	1) Precondition: MCI board extension. 2) Third handwheel can be operated as a contour handwheel.		
• With front panel 120 mm × 120 mm (4.72 × 4.72 in), 5 V DC		**6FC9320-5DB01**	
• With front panel 76.2 mm × 76.2 mm (3 × 3 in), 5 V DC		**6FC9320-5DC01**	
• With front panel 76.2 mm × 76.2 mm (3 × 3 in), 24 V DC, HTL		**6FC9320-5DH01**	
• Without front panel, without setting wheel, 5 V DC		**6FC9320-5DF01**	
• Without front panel, with setting wheel, 5 V DC		**6FC9320-5DM00**	
• Portable in housing, 2.5 m (8.2 ft) coiled cable, 5 V DC		**6FC9320-5DE02**	
Flange socket for portable handwheel		**6FC9341-1AQ**	
Handwheel connection module for PROFIBUS	Not required for handwheel connection via machine control panel.	**6FC5303-0AA02-0AA0**	
Cable distributor	Not required for handwheel connection via machine control panel.	**6FX2006-1BA02**	
Connection for keyboards:			
• Full CNC keyboard, vertical format		**6FC5303-0DT12-1AA0**	
• Full CNC keyboard, horizontal format		**6FC5303-0DM13-1AA0**	
• KB 483C		**6FC5203-0AF20-0AA1**	
• KB 310C		**6FC5203-0AF21-0AA1**	
• KBPC CG US standard PC keyboard		**6FC5203-0AC01-3AA0**	
- Keyboard tray for standard PC keyboard		**6FC5247-0AA40-0AA0**	
Connection for memory/storage devices:			
• Floppy drive disk 3.5"/1.44 MB with USB connection		**6FC5235-0AA05-1AA2**	
• Card reader for CF/SD memory media, with USB connection		**6FC5335-0AA00-0AA0**	
• Industrial USB Hub 4	With PCU 50.3.	**6AV6671-3AH00-0AX0**	
• CompactFlash card 1 GB	1) Precondition: Card reader.	**6FC5313-5AG00-0AA0**	
• SIMATIC USB FlashDrive 2 GB	1) With pro version.	**6ES7648-0DC40-0AA0**	

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Operation (continued)										
2	2	2 1)	2 1)	2/3 2)	2/3 2)					
v	v	v	v	v	v					
v	v	v	v	v	v					
v	v	v	v	v	v					
v	v	v	v	v	v					
v	v	v	v	v	v					
v	v	v	v	v	v					
v	v	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	–	–					
v	v	–	–	–	–					
v	v	–	–	–	–					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v	v	v	v	v	v
–	–	v	v	v	v	v	v	v	v	v
–	–	v	v	v	v					
v	v	v	v	v	v	v 1)	v	v 1)	v 1)	v 1)
v 1)	v 1)	v	v	v	v	v	v	v	v	v

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Operation (continued)			
Plain text display of user variables			
Multi-channel display			
2D representation of 3D protection areas/ work areas			
Actual-value system for workpiece			
Menu selection via the PLC	Not for two simultaneously active HMIs.		
CNC program messages			
Online help for programming, alarms and machine data (expandable)	1) With PCU 50.3.		
Screen blanking			
Access protection, 8 levels			
Operating software languages:			
• Chinese Simplified, English, French, German, Italian, Spanish	1) Other languages on request.		
• Language switchover online			
• Maximum configuration for installed languages	1) All available languages are supplied on-board. 2) Unrestricted with PCU 50.3.		
802D sl operating software languages Chinese Traditional, Czech, Dutch, Finnish, Hungarian, Korean, Polish, Portuguese/Brazilian, Romanian, Russian, Swedish, Turkish	Component of SINUMERIK 802D sl Toolbox.		
Language extensions for operating software HMI-Advanced, HMI-Embedded, ShopMill HMI, ShopTurn HMI on DVD-ROM, without license Chinese Traditional, Czech, Danish, Dutch, Finnish, Hungarian, Japanese, Korean, Polish, Portuguese/Brazilian, Romanian[1)], Russian, Slovak[1)], Swedish, Turkish	See Basic components. 1) For HMI-Advanced only.	**6FC5253-7BX10-. XG8**	
Language extensions for operating software SINUMERIK Operate on DVD-ROM, without license Chinese Traditional, Czech, Danish, Dutch, Finnish, Hungarian, Japanese, Korean, Polish, Portuguese/ Brazilian, Russian, Swedish, Turkish	See Basic components.	**6FC5860-0YC..-.YA8**	
Additional languages Software option for use of additional languages	1) Included on HMI Language extensions DVD-ROM; please enquire about available SW versions.	**6FC5800-0AN00-0YB0**	**N00**
Other languages	1) On request.		

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	**802D sl G/N**	**840DiE sl**	**840Di sl**	**840DE sl**	**840D sl**	**SINUMERIK Operate**	**HMI-Advanced**	**HMI-Embedded**	**ShopMill HMI**	**ShopTurn HMI**
										Operation (continued)
–	–	X	X	n	n	n	n	n	n	n
–	–	X	X	X	X	–	–	–	n	–
–	–	X	X	n	n	–	–	–	n	n
–	–	n	n	n	n	–	–	n	n	n
–	–	X	X	x	x	–	n	n	n	n
n	n	X	X	n	n	n	n	n	n	n
n	n	X	X	x	x	–	n	–	n 1)	n 1)
–	–	n	n	n	n	–	n	n	n	n
n	n	n	n	n	n	n	n	n	n	n
n 1)	n 1)	X	X	x	x	n	n	n	n	n
18	18	2	2	2	2	2	2	2	2	2
1)	1)	X	X	x	x	8 2)	2)	8	8	8
n	n	–	–	–	–					
–	–	v	v	v	v	–	v	v	v	v
–	–	v	v	v	v	v	–	–	–	–
–	–	X	X	x	x	v 1)	v 1)	v 1)	v 1)	v 1)
1)	1)	X	X	x	x	1)	1)	1)	1)	1)

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Monitoring functions			
Working area limitation			
Clamp protection for nibbling			
Limit switch monitoring Software and hardware limit switches			
Position monitoring			
Standstill (zero-speed) monitoring			
Clamping monitoring			
2D/3D protection zones			
Contour monitoring			
Contour monitoring with tunnel function		**6FC5800-0AM52-0YB0**	**M52**
Path length evaluation		**6FC5800-0AM53-0YB0**	**M53**
Axis limitation from the PLC			
Spindle speed limitation			
PROT collision protection for axes	Precondition: Loadable compile cycle.	**6FC5800-0AN06-0YB0**	**N06**
PROFIBUS tool and process monitoring	Precondition: Loadable compile cycle.	**6FC5800-0AM62-0YB0**	**M62**
Integrated tool monitoring and diagnostics			
• IMD light	Precondition: Loadable compile cycle.	**6FC5800-0AN12-0YB0**	–
• IMD base	Precondition: Loadable compile cycle.	**6FC5800-0AN13-0YB0**	–
Compensations			
Backlash compensation			
Lead screw error compensation			
Measuring system error compensation			
Feedforward control, velocity-dependent			
Electronic weight counterbalance	Function of SINAMICS S120.		
Temperature compensation			
Quadrant error compensation per operation			
Graphical monitoring of quadrant error compensation using the circularity test	1) Precondition: HMI-Advanced on PCU 50.3.		
Sag compensation, multi-dimensional	1) With restricted functionality, see export versions.	**6FC5800-0AM55-0YB0**	**M55**
Space error compensation (SEC) for kinematic transformations	Precondition: Loadable compile cycle.	**6FC5800-0AM57-0YB0**	**M57**
Space compensation: VCS plus (contains the option Measure kinematics)	Precondition: Loadable compile cycle.	**6FC5800-0AN17-0YB0**	**N17**
Vibration Extinction VIBX	Precondition: Loadable compile cycle.	**6FC5800-0AN11-0YB0**	**N11**

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Monitoring functions										
n	n	n	n	n	n					
–	n	–	–	–	–					
n	n	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
–	–	n	n	n	n					
n	n	n	n	n	n					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	n	n	n	n					
n	n	n	n	n	n					
–	–	–	v	–	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
Compensations										
n	n	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
n	n	n	n	n	n					
–	–	n	n	n	n					
–	–	n	n	n	n					
–	–	X	X	n	n					
–	–	x	x	x	x	–	n	v 1)	v 1)	v 1)
v 1)	v 1)	v 1)	v	v 1)	v					
–	–	–	–	–	v					
–	–	–	–	–	v					
–	–	–	–	–	v					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
PLC			
SIMATIC S7-200 (integrated)			
SIMATIC S7-300 CPU 317-2 DP (integrated)			
• NCU 710.2/NCU 720.2/NCU 730.2			
SIMATIC S7-300 PLC 319-3PN/DP (integrated)			
• NCU 720.2 PN/NCU 730.2 PN			
Machining time, typically in ms/KI for bit operations	1 KI = 1024 instructions, corresponds to approx. 3 KB.		
• NCU 710.2/NCU 720.2/NCU 730.2			
• NCU 720.2 PN/NCU 730.2 PN			
Machining time, typically in ms/KI for word operations	1 KI = 1024 instructions, corresponds to approx. 3 KB.		
• NCU 710.2/NCU 720.2/NCU 730.2			
• NCU 720.2 PN/NCU 730.2 PN			
Ladder steps memory configuration	1) With value version: 4000.		
PLC user memory in KB, incl. basic PLC program	1) SW version 1.4 and higher.		
PLC user memory, maximum configuration in KB			
• NCU 710.2/NCU 720.2/NCU 730.2			
• NCU 720.2 PN/NCU 730.2 PN			
Expansion of the PLC user memory by 128 KB in each case	D11 to D12 only with SW version 1.4 and higher.	**6FC5800-0AD10-0YB0**	**D11 ... D12**
• NCU 710.2/NCU 720.2/NCU 730.2	D11 to D12 only with SW version 1.4 and higher.		**D11 ... D12**
• NCU 720.2 PN/NCU 730.2 PN			**D11 ... D18**
SIMATIC STEP 7 programming language:			
• LAD ladder diagram			
• FBD function block diagram			
• STL statement list			
PLC programming with HiGraph (add-on package for STEP 7)			
PLC programming tool, PLC program examples, standard machine data and alarm text editor on Toolbox			
PP 72/48 I/O module	1) No PROFIBUS certification.	**6FC5611-0CA01-0AA1**	
• PP 72/48 I/O module, max. number			
Analog Drive Interface for 4 axes ADI 4	No PROFIBUS certification. 1) Not possible with NCU 720.2 PN/ NCU 730.2 PN.	**6FC5211-0BA01-0AA4**	

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
										PLC
n	n	–	–	–	–					
–	–	n	n							
				n	n					
–	–	–	–							
				n	n					
0.1	0.1	0.03	0.03							
				0.03	0.03					
				0.01	0.01					
0.2	0.2	0.1	0.1							
				0.1	0.1					
				0.03	0.03					
6000 1)	6000	–	–	–	–					
–	–	n 128	n 128	n 512 1)	n 512 1)					
–	–	768	768							
				768	768					
				1536	1536					
–	–	v	v							
				v	v					
				v	v					
n	n	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
–	–	v	v	v	v					
n	n	–	–	–	–					
v	v	v 1)	v 1)	v 1)	v 1)					
3	3	125	125	125	125					
v	v	v	v	v 1)	v 1)					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
PLC (continued)			
Distributed I/O via PROFIBUS DP	See Catalog ST 70 or Siemens Industry Mall for further information.		
• Via integrated interface, data transfer rates up to 12 Mbit/s			
• Distributed DP slaves, max. number			
Distributed I/O via PROFINET	See Catalog ST 70 or Siemens Industry Mall for further information.		
• Component-based Automation			
- NCU 710.2/NCU 720.2/NCU 730.2			
- NCU 720.2 PN/NCU 730.2 PN			
• Distributed PN slaves, max. number			
- NCU 720.2 PN/NCU 730.2 PN			
Digital inputs, number in bytes	1) No. = Process image inputs.		
Digital outputs, number in bytes	1) No. = Process image outputs.		
I/O inputs, number in bytes	1) Logical address range inputs.		
I/O outputs, number in bytes	1) Logical address range outputs.		
Bit memories, number in bytes	1) With value version: 128.		
- NCU 710.2/NCU 720.2/NCU 730.2			
- NCU 720.2 PN/NCU 730.2 PN			
Timers, number	1) With value and plus versions: 40.		
- NCU 710.2/NCU 720.2/NCU 730.2			
- NCU 720.2 PN/NCU 730.2 PN			
Counters, number	1) With value and plus versions: 32.		
- NCU 710.2/NCU 720.2/NCU 730.2			
- NCU 720.2 PN/NCU 730.2 PN			
Subroutines			
FB, FC (largest number per type)			
DB, largest number			
- NCU 710.2/NCU 720.2/NCU 730.2			
- NCU 720.2 PN/NCU 730.2 PN			
Cyclic function block			
Time-controlled function blocks			
Equipment for PLC programming and program test with PG/PC			
User machine data for configuring the PLC user program			

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
PLC (continued)										
n	n	n	n	n	n					
–	–	125	125	125	125					
–	–	v	v							
				–	–					
				n	n					
–	–	–	–							
				256	256					
27	27	256 1)	256 1)	256 1)	256 1)					
18	18	256 1)	256 1)	256 1)	256 1)					
–	–	8192 1)	8192 1)	4096	4096					
–	–	8192 1)	8192 1)	4096	4096					
384 1)	384	4096	4096							
				4096	4096					
				8192	8192					
64 1)	64 1)	512	512							
				512	512					
				2048	2048					
64 1)	64 1)	512	512							
				512	512					
				2048	2048					
64	64	–	–	–	–					
–	–	2048	2048	2048	2048					
–	–	2047	2047							
				2047	2047					
				4095	4095					
n	n	n	n	n	n					
–	–	n	n	n	n					
v	v	v	v	v	v					
n	n	–	–	–	–					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Safety functions			
SINUMERIK Safety Integrated Safety functions for personnel and machine protection	Preconditions: See Basic components.		
• Safe shutdown			
• SBR (safe braking ramp)			
• SH (safe standstill)			
• SBH (safe operation stop)			
• SG (safely reduced speed)			
• SE (safe software limit switch)			
• SN (safe software cams)			
• SGE/SGA (safety-related input/output signals)			
• SPL (safe programmable logic)			
• SBM (safe brake management)			
• Safety-related output $n < n_x$			
• Safety-oriented communication via standard bus (PROFIsafe with ET 200S, ET 200pro, ET 200eco)	See Catalog ST 70 or Siemens Industry Mall for further information.		
• Safe integration of sensors via DP ASi F-Link	See Catalog IK PI or Siemens Industry Mall for further information.		
Safety Integrated SI-Basic incl. 1 axis/spindle; up to 4 inputs and up to 4 outputs for safe programmable logic		**6FC5800-0AM63-0YB0**	**M63**
Safety Integrated SI-Comfort incl. 1 axis/spindle; up to 64 inputs and up to 64 outputs for safe programmable logic		**6FC5800-0AM64-0YB0**	**M64**
Safety Integrated SI axis/spindle extra for each additional axis/spindle	Example: 4 additional axes/spindles: C74	**6FC5800-0AC70-0YB0**	**C71 ... C78**
Safety Integrated SI axis/spindle package additional 15 axes/spindles		**6FC5800-0AC60-0YB0**	**C61, C62**
Safety Integrated automated acceptance test with SinuCom NC SI	See HMI software for CNC controls – SinuCom.		
SINAMICS S120 Safety Integrated, drive-independent safety functions			
• SBC (Safe Brake Control)			
• STO (Safe Torque Off)			
• SS1 (Safe Stop 1)			

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Safety functions										
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	n	n	n	n					
–	–	n	n	n	n					
–	–	n	n	n	n					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Commissioning			
Commissioning software for drive system is integrated:			
• SINAMICS S120			
• SINAMICS S120 with CU320	With STARTER commissioning tool (included in scope of supply).		
Auto Servo Tuning AST Fully automatic speed and position controller optimization	1) SW version 2.6 and higher.		
Commissioning trace (drive optimization without an additional oscilloscope)	1) With PCU 50.3.		
Series commissioning via serial interface			
Standard commissioning via USB interface with memory medium, e. g. memory stick			
Standard commissioning of network drive	1) Precondition: Managing of network drives.		
Standard commissioning via programming of CF card offline or online	1) Precondition: Additional HMI user memory on CF card of the NCU.		
STARTER commissioning tool on PC/PG for SINAMICS S120	On Toolbox.		
Commissioning software on PC/PG for SINAMICS S120 (and SIMODRIVE 611 digital)	See HMI software for CNC controls – SinuCom.		
SINUMERIK 840Di/840Di sl Startup (SimoCom U and SinuCom NC)			
SINUMERIK 840Di sl Toolbox on hard disk of the PCU			
SINUMERIK 840Di sl/840D sl Toolbox on CNC system software DVD-ROM			
PLC example library (PLC templates)			

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
										Commissioning
n	n	–	–	x	x	–	n	–	–	–
–	–	n	n	–	–	–	–	–	–	–
–	–	X	X	n 1)	n 1)	n	–	–	–	–
–	–	X	X	x	x	–	n	–	n 1)	n 1)
n	n	–	–	–	–					
–	–	X	X	n	n	n	n	n	n	n
n	n	X	X	n 1)	n 1)	n 1)	n 1)	n 1)	n 1)	n 1)
n	n	–	–	n 1)	n 1)					
n	n	–	–	–	–					
–	–	v	v	v	v					
–	–	n	n	–	–					
–	–	n	n	–	–					
–	–	v	v	v	v					
n	n	–	–	–	–					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	**Order No.** Type (for complete Order No., see notes)	**Order code**
Commissioning (continued)			
SinuCom Commissioning/service tools for SINUMERIK 840Di sl/840D sl	See HMI software for CNC controls – SinuCom.	**6FC5250-0AY00-0AG1** **6FC5250-0AY00-0AG0** **6FC5250-7AY00-. AG0** **6FC5250-0AY00-0AG2** **6FC5250-7AY00-. AG3**	
• SinuCom NC Dialog-based parameterization of machine data, management of standard commissioning files, integrated online help for functions, machine data and alarms			
• SinuCom NC Trace Dynamic recording of variables and signals – optimization without additional oscilloscope			
• SinuCom CFS Creation of an image for the CF card in Ext3 format			
• SinuCom ARC Reading, deleting, inserting and changing standard commissioning files			
SinuCom Update Agent for series production and software upgrades	See HMI software for CNC controls – SinuCom Update Agent.	**6FC5862-2YC00-0YA0** **6FC5862-2YC..-.YA0**	
SinuCom UPExpert			
SinuCom UPShield			
SinuCom UPDiff			
SinuCom UPTopo			
SinuCom Protector			
STARTER commissioning tool for SINAMICS and MICROMASTER	1) On Toolbox. 2) For topology and diagnostics.	**6SL3072-0AA00-0AG0**	
Diagnostic functions			
Alarms and messages			
Action log for diagnostic purposes, can be activated	1) Logbook for alarms/keys.		
PLC status	1) Generally possible via STEP 7 on PG/PC.		
LAD display	1) Generally possible via STEP 7 on PG/PC.		
SIMATIC STEP 7 for SINUMERIK hardware for service functions	See HMI software for CNC controls – Tools. 1) With PCU 50.3.	**6FC5252-0AY00-0AG0** **6FC5252-0AY00-0AG1** **6FC5252-. AY01-. AG0**	
RCS 802 (Remote Control System) remote diagnostics, snap shot, license for PC	With pro version.	**6FC6000-6DA51-0AA0**	
• PLC remote diagnostics via modem	Programming tool and modem required. 1) With pro and plus versions.		
• Remote diagnostics via Ethernet on the control	RCS 802 and modem required. For pro version.		

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Commissioning (continued)										
–	–	n	n	v	v					
–	–	n	n	v	v					
–	–	n	n	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
–	–	–	–	v	v					
n 1)	n 1)	v 2)	v 2)	–	–					
Diagnostic functions										
n	n	n	n	n	n					
n 1)	n 1)	X	X	n	n	n	n	n	n	n
n	n	X 1)	X 1)	n 1)	n 1)	n	n	n	n	n
n	n	– 1)	– 1)	– 1)	– 1)	–	–	–	–	–
–	–	v	v	v 1)	v 1)					
v	v	–	–	–	–	–	–	–	–	–
n 1)	n	–	–	–	–					
n	n	–	–	–	–					

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n Basic version v Option x Function is dependent on operating software X Precondition: HMI-Advanced operating software – Not possible	Notes	Order No. Type (for complete Order No., see notes)	Order code
Diagnostic functions (continued)			
RCS (Remote Control System) remote diagnostics:	See HMI software for CNC controls – MCIS software.		
• RCS Host Remote diagnostics software	1) With PCU 50.3.	**6FC5800-0AP30-0YB0**	**P30**
• RCS Viewer for PC/PG		**6FC6000-6DF00-0BB0** **6FC6000-6DC00-0BA0** **6FC6000-6DC0.-.BA0**	
• RCS Viewer Embedded for PC/PG		**6FC6000-6DF88-8BB0** **6FC6000-6DC80-0BA0** **6FC6000-6DC8.-.BA0**	
• RCS Commander for PC/PG Supports basic file transfer between PC/PG and CNCs	Preconditions for modem: RCS host for image transfer 1) SW version 2.6 and higher for NCU or SINUMERIK Operate for PCU.	**6FC5860-7YC00-0YA0** **6FC5860-7YC..-.YA0**	
Service and maintenance			
ePS Network Services: - Company Account and - Value Account are required for using the services	1) With PCU 50.3.	**6FC6001-0EE00-0CA1** **6FC6001-0EE00-0AF8**	
• ePS Diagnostic Services for diagnostic functions with machine faults and Workflow Services, remote operation and remote monitoring of machine controls	1) With PCU 50.3. 2) For Remote Access functionality HMI-Advanced is also necessary.	**6FC6001-0EE00-0DS0**	
• ePS Condition Monitoring Basic for condition-oriented maintenance	1) With PCU 50.3.	**6FC6001-0EE00-0MB0**	
• ePS Combi package Diagnostic Services and Condition Monitoring Basic	1) With PCU 50.3. 2) For Remote Access functionality HMI-Advanced is also necessary.	**6FC6001-0EE00-0KP0**	
TPM – Total Productive Maintenance Servicing and maintenance support:	See HMI software for CNC controls – MCIS software.		
• TPM Machine for SINUMERIK Maintenance management	1) With PCU 50.3.	**6FC5800-0AP32-0YB0** **6FC6000-1AC00-0AA8** **6FC6000-1AC0.-.AA8** **6FC6000-1AC0.-.AF0**	**P32**
• TPM Cell Maintenance management on PC		**6FC6000-1BF00-0AB0** **6FC6000-1BC00-0AA0** **6FC6000-1BC0.-.AA0**	
• TPM IFC for SINUMERIK Preventive maintenance for network-capable controls	1) With PCU 50.3.	**6FC5800-0AP46-0YB0**	**P46**
• TPM HMI Additional user interface for Windows-based PC		**6FC6000-1DF00-0AB0**	
• TPM demo version		**6FC6000-1AC00-0AT7**	

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SINUMERIK 802D sl		SINUMERIK 840Di sl/840D sl								
						Blank field: Function is not dependent on operating software				
802D sl T/M	802D sl G/N	840DiE sl	840Di sl	840DE sl	840D sl	SINUMERIK Operate	HMI-Advanced	HMI-Embedded	ShopMill HMI	ShopTurn HMI
Diagnostic functions (continued)										
–	–	x	x	x	x	v	v	v	v 1)	v 1)
–	–	x	x	x	x					
–	–	x	x	x	x					
–	–	–	–	x 1)	x 1)					
Service and maintenance										
–	–	X	X	x	x	–	v	–	v 1)	v 1)
–	–	X	X	x	x	v 2)	v	v 2)	v 1)	v 1)
–	–	X	X	x	x	v	v	v	v 1)	v 1)
–	–	X	X	x	x	v 2)	v	v 2)	v 1)	v 1)
–	–	x	x	x	x	–	v	–	v 1)	v 1)
–	–	x	x	x	x	–	v	–	–	–
–	–	x	x	x	x	–	v	–	v 1)	v 1)
–	–	x	x	x	x	–	v	–	–	–
–	–	x	x	x	x	–	v	–	–	–

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n

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Machine and setting data 2

2.1 Important information about the data tables

This list manual provides information on all the machine and setting data in a concise table format. A functional description of the data is provided in the function manual indicated in the cross reference.

You can also find more information in:

- HMI Online Help directly on the control
- DOConCD:
  - /AMDsl/ Detailed Machine Data Description
  - SINAMICS S List Manual

2.1.1 Structure of the data tables

Standard table

The standard table contains all the important information about the data:

MD number	Identifier			Display filter	Reference	
Unit	Name			Data type	Activation	
Attributes						
System	Dimension	Default value	Minimum value	Maximum value	Protection	Class

Expanded table

The expanded table includes data from the standard table plus additional rows with system-specific values.

MD number	Identifier			Display filter	Reference	
Unit	Name			Data type	Activation	
Attributes						
-	Dimension	Default value	Minimum value	Maximum value	Protection	Class
<System 1>	-	Default value	-	-	-/-	
<System 2>	-	-	-	-	-1/-	

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A minus sign "-" in a field means that the same value as for System 1 applies for the specified system.

The entry "-1/-" in the "Protection" field means that the machine data is not available for the specified system.

Example:

10050	SYSCLOCK.CYCLE_TIME			N01, N05, N11	G3	
s	Basic system clock cycle			DOUBLE	POWER ON	
				SFCO		
-	-	0.004	0.000125	0.031	7/2	M
710-2a2c	-	0.002	0.001	0.008	-/-	

Table for SINAMICS parameters

The tables for SINAMICS parameters all have the following structure:

Parameter number	Identifier		
Drive object	Changeable:	Calculated:	Access level:
	Data type:	Dynamic index:	Function diagram:
	P group:	Unit group:	Unit selection:
	Min	Min	Factory setting

2.1.2 Meaning of table fields

MD number

The "MD number" field contains the machine data number. This number is displayed in the data lists on the user interface of the control.

Parameter number (SINAMICS)

The "Parameter number" field contains the number of the parameter. This number is displayed in the data lists on the user interface of the control.

Identifier

The "Identifier" field contains the unique alphanumeric identifier of the machine data. The machine data is, for example, addressed by means of this identifier (with an additional label) for programming in the part program.

This identifier is displayed in the data lists on the user interface of the control.

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Reference

As a cross reference to the functional description of the data, the "Reference" field contains the short designation of a supporting manual for a specific function manual.

Reference is made to the following documents:

Function Manual of basic machines, supporting manuals: A2, A3, B1, B2, D1, F1, G2, H2, K1, K2, N2, P1, P3, R1, S1, V1, W1, Z1

Function Manual of expanded functions, supporting manuals: A4, B3, B4, F3, H1, K3, K5, M1. M5, N3, N4, P2, P5, R2, S3, S7, T1, W3, W4, Z2

Function Manual of special functions, supporting manuals: F2, G1, G3, K6, M3, S9, T3, TE01, TE02, TE1, TE3, TE4, TE6, TE7, TE8, TE9, V2, W5, W6, Z3

Funktionshandbuch Antriebsfunktionen, Unterbücher, FBA: DB1, DD1, DD2, DE1, DF1, DG1, DL1, DM1, DS1, DÜ1

Funktionshandbuch Antriebsfunktionen, Unterbücher, FBA: DB1, DD1, DD2, DE1, DF1, DG1, DL1, DM1, DS1, DÜ1

Function Manual Safety Integrated, FBSI

Function Manual Turn, FBMA

Function Manuall of Tool Management, FBW

Function Manual of ISO-dialects for SINUMERIK, FBFA

Function Manual of Synchronized actions, FBSY

Programmiing Manual Job planing, PG

Programmiing Manual Fundamentals, PGA

Unit

The "Unit" field contains the physical unit of the data in the default setting. A minus sign "-" means that the data does not have a physical unit.

Note

For machine data of the Performance 2 [P2] control module, the unit or units are shown with a filter in row 2, column 1.

Name

The "Name" field contains the name of the data in plain text.

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Activation

The "Activation" field contains the action that must be performed by the user in order for a change to take effect.

Activation		User action
po	POWER ON	Otherwise: • HMI softkey "Reset (po)" (SINUMERIK Operate/HMI- Advanced SW 7.5 or higher) • HMI softkey "NCK-Reset" (HMI-Embedded) • Reset button on the front of the NCU module • Switch voltage off/on
cf	NEW_CONF	HMI softkey: "Activate MD"
re	RESET	Otherwise: • Channel reset: DBn.DBX 7.7 where n = 21, 22, 23, etc. • Mode group reset: DB11.DBX n.7 where n = 0, 20, 40, etc. • NCK reset: DB11.DBX n.7 where n = 0, 20, 40, etc. in all mode groups of the control • Program end reset (M02/M30)
so	IMMEDI-ATELY	-

The activation levels are listed according to their priority.

- po = highest priority
- so = lowest priority

Protection
Access level (SINAMICS)

Protection

The "Protection" or "Access protection" field contains the protection level for reading or writing to the data in the format: read / write

Value	Protection level
0 or 10	System
1 or 11	Manufacturer
2 or 12	Service
3 or 13	User
4 or 14	Key-operated switch setting 3
5 or 15	Key-operated switch setting 2
6 or 16	Key-operated switch setting 1
7 or 17	Key-operated switch setting 0

The protection level for user data (GUD) is defined with the numbers 10 to 17.

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Class

The data class attribute of machines, setting and option data is usually derived from the write authorization of the relevant data.

The following data classes are used:

Data class	Write authorization	Access authorization
S	System	Protection level 0 (password: System)
M	Manufacturer/ Service	Protection level 1 and 2 (password: Service)
U	User	Protection level 3 (password: User) Protection level 4 to 7 (keyswitch)

Access protection (SINAMICS)
Specifies the access level required to display and change the relevant parameter. The required access level can be set via parameter p0003.

The system uses the following access levels:

1. Standard
2. Advanced
3. Expert
4. Service
   Please contact your local Siemens office to obtain the password for parameters with access level 4 (service).
5. Macro (the parameter can only be changed via macro)

Display filter

The "Display filter" field contains the identifier of the data filter setting that enables the data to be seen. With the filter setting, the exact data areas needed at a given time can be selected for display.

ID	Data area
EXP	Expert mode
Drive machine data	
D00	Display signals
D01	Controller data
D02	Monitoring/limiting functions
D03	Message data
D04	Status data
D05	Motor/power unit
D06	Measuring system
D07	Safety Integrated
D08	Standard machine

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ID	Data area
General machine data	
N01	Configuration/scaling
N02	Memory configuration
N03	PLC machine data
N04	Drive control
N05	Status data/diagnostics
N06	Monitoring/limiting functions
N07	Auxiliary functions
N08	Corrections/compensations
N09	Technological functions
N10	I/O configuration
N11	Standard machine
A12	External language
A13	Safety Integrated
A14	Selection for Safety Integrated
Channelspecific machine data	
C01	Configuration
C02	Memory configuration
C03	Initial settings
C04	Auxiliary functions
C05	Speeds
C06	Monitoring/limiting functions
C07	Transformations
C08	Corrections/compensations
C09	Technological functions
C10	Standard machine
C11	External languages
Axis-specific machine data	
A01	Configuration (including memory)
A02	Measuring system
A03	Machine geometry
A04	Speeds/accelerations
A05	Monitoring/limiting functions
A06	Spindle
A07	Controller data
A08	Status data

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ID	Data area
A09	Corrections/compensations
A10	Technological functions
A11	Standard machine
A12	External language
A13	Safety Integrated
A14	Selection for Safety Integrated
Display machine data	
H01	ShopMill
H02	ShopTurn
H03	ManualTurn
H04	Access levels
H05	Standard machine

Default value
Factory setting (SINAMICS)

The "Default value" or "Factory settings" field contains the value that is used to preset the machine data. If default values for the channels differ, this is indicated by "/".

Some machine data is preset with different default values, depending on the NCU that is used.

Note

Inputs via HMI are limited to ten digits plus comma and sign.

System

The "System" field contains the system for which the data is valid.

ID	System
710	NCU 710
720	NCU 720
730	NCU 730

If this field is empty, the data is valid for all systems.

Additional identifiers:

iajc i = number of axes
j = number of channels
For example: 6a2c = 6 axes, 2 channels

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Dimension

The "Dimension" field contains the number of elements of a data field.

Value range

The "Minimum value" and "Maximum value" fields contain the lower limit and upper limit, respectively, of the permissible range of the data.

If the "Minimum value" and "Maximum value" fields contain the string " *** ", an explicit range is not defined for this data. In this case, the range is determined by the specified data type.

SINUMERIK data types

The "Data type" field contains the following data types:

Data type	Value range
BOOLEAN	Machine data bit (1 or 0)
BYTE	Integer values (-128 to 127)
DOUBLE	Real values (± (2.2 * 10^{-308} to 1.8 * 10^{+308}))
DWORD	Integer values (-2147483648 to +2147483647)
DWORD	Hex values (0 to FFFF FFFF)
STRING	Character string (max. 16 characters) consisting of upper-case letters with digits and underscore
UNSIGNED WORD	Integer values (0 to 65536)
SIGNED WORD	Integer values (-32768 to 32767)
UNSIGNED DWORD	Integer values (0 to 4294967300)
SIGNED DWORD	Integer values (-2147483650 to 2147483649)
WORD	Hex values (0000 to FFFF)
FLOAT DWORD	Real values (± (8.43 x 10^{-37} to "3.37 x 10^{38})
UBYTE	Integer values (0 to 255)
LONG	Integer values (4294967296 to 4294967295)

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SIMATIC data types

The "Data type" field contains the following data types:

Data type	Meaning	Value range
I8	Integer8	8-bit integer
I16	Integer16	16-bit integer
I32	Integer32	32-bit integer
U8	Unsigned8	8 bits without sign
U16	Unsigned16	16 bits without sign
U32	Unsigned32	32 bits without sign
Float	FloatingPoint32	32-bit floating point number

Attributes

The "Attributes" field contains additional attributes of the data:

Attribute	Meaning
NBUP	No Back UP: The data is not backed up as part of the data backup.
ODLD	Only DownLoaD: The data can only be written to via an INI file, archive, or from the part program.
NDLD	No DownLoaD: The data can only be written to via the HMI user interface.
SFCO	SaFety COnfiguration: Component of the "Safety Integrated" function
SCAL	SCaling ALarm: Scaling data; when changed, alarm 4070 is displayed
LINK	LINK description: The data describes a link cluster, component of the "NCU Link" function
CTEQ	ConTainer EQual: The data must be the same for all axes in an axis container, component of the "Axis container" function
CTDE	ConTainer DEscription: The data describes an axis container, component of the "Axis container" function

Drive object (function module) (SINAMICS)

A drive object (DO) is an independent, "self-contained" functional unit with its own parameters, faults messages, and alarms.

The parameter list specifies the associated drive object and function module for each individual parameter.

A parameter can belong to either one, several, or all drive objects.

The following information relating to "Drive object" and "Function module" can be displayed under the parameter number:

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Drive object (function module)	Type	Meaning
CU_S	1	Control Unit SINAMICS S (SINAMICS S120/S150).
CU_I	3	Control Unit SINAMICS Integrated (SIMOTION D4xx or SINUMERIK NCU7x0).
CU_CX32	4	Controller Extension for boosting the processing performance.
A_INF	10	Active Infeed closed-loop control Closed-loop-controlled, self-commutated infeed/regenerative feedback unit for generating a constant DC-link voltage.
SERVO	11	Servo drive.
S_INF	20	Smart Infeed control Unregulated line infeed/feedback unit for generating the DC link voltage.
B_INF	30	Basic Infeed closed-loop control Unregulated line infeed unit (without feedback) for rectifying the line voltage of the DC Link.
DMC20	150	DRIVE-CLiQ Hub Module Cabinet
TM31	200	Terminal Module 31.
TM41	201	Terminal Module 41.
TM17	202	Terminal Module 17 (SIMOTION D4xx or SINUMERIK NCU7x0).
TM15	203	Terminal Module 15 (SIMOTION D4xx or SINUMERIK NCU7x0).
TM15DI/DO	204	Terminal Module 15 (for SINAMICS).
CU_LINK	254	Object for Controller Extension 32 (CX32).

Changeable (SINAMICS)

The "-" sign indicates that the parameter can be changed in any object state and that the change will be effective immediately.

The letters "C1(x), C2(x), T, U" ((x): mean that the parameter can be changed only in the specified drive object state and that the change will not take effect until the object switches to another state. This can be one or more states.

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The following states may be specified:

- C1(x) Device commissioning C1: **C**ommissioning **1**

  Device commissioning is in progress (p0009 >0).

  Pulses cannot be enabled.

  The parameter can only be changed in the following device commissioning settings (p0009 > 0):

  - C1: Changeable for all settings p0009 > 0.
  - C1(x): Only changeable when p0009 = x.

  A modified parameter value does not take effect until the device commissioning mode is exited with p0009 = 0.

- C2(x) Drive object commissioning C2: **C**ommissioning **2**

  Drive commissioning is in progress (p0009 = 0 and p0010 > 0).

  Pulses cannot be enabled.

  The parameter can only be changed in the following drive commissioning settings (p0010 > 0):

  - C2: Changeable for all settings p0010 > 0.
  - C2(x): Only changeable when p0010 = x.

  A modified parameter value does not take effect until drive commissioning mode is exited with p0010 = 0.

- U Operation U: R**u**n

  Pulses are enabled.

- T Ready T: Ready **t**o run

  The pulses are not enabled and status "C1(x)" or "C2(x)" is not active.

Note:

Parameter p0009 is CU-specific (belongs to Control Unit).

Parameter p0010 is drive-specific (belongs to each drive object).

The operating status of individual drive objects is displayed in r0002.

Calculated (SINAMICS)

Specifies whether the parameter is influenced by automatic calculations.

The calculation attribute defines which activities influence the parameter.

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The following attributes apply:

- CALC_MOD_ALL
  - p0340 = 1
  - Project download with commissioning software and send from p0340 = 3
- CALC_MOD_CON
  - p0340 = 4
- CALC_MOD_EQU
  - p0340 = 2
- CALC_MOD_LIM_REF
  - p0340 = 1, 3, 5
  - p0578 = 1
- CALC_MOD_REG
  - p0340 = 1, 3

Note:

For p3900 > 0, p0340 = 1 is also automatically called.

After p1910 = 1, p0340 = 3 is also automatically called.

Dynamic index (SINAMICS)

For parameters with a dynamic index [0 to n], the following information is specified here:

- Data set (if this is available).
- Parameter for the number of indices (n = number - 1).

The following information can be contained in this field:

- "CDS, p0170" (Command Data Set, CDS count)

  Example:

  p1070[0] → main setpoint [command data set 0]

  p1070[1] → main setpoint [command data set 1], etc.
- "DDS, p0180" (Drive Data Set, DDS count)
- "EDS, p0140" (Encoder Data Set, EDS count)
- "MDS, p0130" (Motor Data Set, MDS count)
- "PDS, p0120" (Power unit Data Set, PDS count)
- "p2615" (traversing blocks count)

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Note:

Information on the data sets can be taken from the following references:

References: /IH1/ SINAMICS S120 Commissioning Manual
Chapter "Data sets"

Function diagram (SINAMICS)

The parameter is included in this function diagram. The structure of the parameter function and its interrelationship with other parameters is shown in the specified function diagram.

Example:

Function diagram: 3060.3	3060:	Function diagram number
	3:	Signal path (optional)

P group (refers only to access via BOP (Basic Operator Panel)) (SINAMICS)

Specifies the functional group to which the parameter belongs. The required parameter group can be set via p0004.

Unit, Unit Group and Unit Selection (SINAMICS)

The standard unit of a parameter is specified in square brackets after the values for "Min", "Max" and "Factory setting".

For parameters where the unit can be changed, "Unit Group" and "Unit Selection" specify which group this parameter belongs and which parameter can be used to change the unit.

Example:

Unit group: 7_1, Unit selection: p0505

The parameter belongs to Unit Group 7_1 and the unit can be changed using p0505.

Note:

Detailed information on changing units can be found in the following references:

References: /FH1/ SINAMICS S120 Function Manual

References: /BA3/ SINAMICS S150 Operating Instructions

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2.1.3 Overview of the data

Machine and setting data (SINUMERIK)

The machine and setting data are divided into the following areas:

Range	Designation
From 9000 to 9999	Display machine data
From 10000 to 18999	General NC machine data
From 19000 to 19999	Reserved
From 20000 to 28999	Channelspecific machine data
From 29000 to 29999	Reserved
From 30000 to 38999	Axis specific machine data
From 39000 to 39999	Reserved
From 41000 to 41999	General setting data
From 42000 to 42999	Channel specific setting data
From 43000 to 43999	Axis specific setting data
From 51000 to 51299	General configuration machine data
From 51300 to 51999	General cycle machine data
From 52000 to 52299	Channel specific configuration machine data
From 52300 to 52999	Channel specific cycle machine data
From 53000 to 53299	Axis specific configuration machine data
From 53300 to 53999	Axix specific cycle machine data
From 54000 to 54299	General configuration setting data
From 54300 to 54999	General cycle setting data
From 55000 to 55299	Channel specific configuration setting data
From 55300 to 55999	Channel specific cycle setting data
From 56000 to 56299	Axis specific configuration setting data
From 56300 to 56999	Axix specific cycle setting data
From 61000 to 61999	General machine data for compile cycles
From 62000 to 62999	Channel specific machine data for compile cycles
From 63000 to 63999	Axis specific machine data for compile cycles

Parameters (SINAMICS)

For a listing of all SINAMICS parameters, refer to Section 3.

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Data Identifiers

The identifier (designator) specified in the data description is displayed on the HMI user interface. However, if the data is addressed in the parts program, for example, the identifier of the relevant data area must precede the data identifier (designator).

Identifier	Data area
$MM_	Display machine data
$MN_/ $SN_ $MNS_/ $SNS_	General machine/setting data
$MC_/ $SC_ $MCS_/ $SCS_	Channel-specific machine/setting data
$MA_/ $SA_ $MAS_/ $SAS_	Axis-specific machine/setting data

Characters	Meanings
$	System variables
M	Machine data (first letter)
S	Setting data (first letter)
M, N, C, A, D	Subarea (second letter)
S	Siemens data (third letter)

Note:

Axis-specific data can also be addressed with the axis name as an index. The internal axis identifier (AX1, AX2, AX3, etc.) or the identifier specified in MD10000 $MA_AX_CONF_NAME_TAB can be used as the axis name.

Example: $MA_JOG_VELO[Y1]=2000
The JOG velocity of axis Y1 is 2000 mm/min.

If the content of a machine data is a STRING (e.g., X1) or a hexadecimal value (e.g., H41), the content must be enclosed in single quotation marks (e.g., 'X1' or 'H41').

Example: $MN_DRIVE_INVERTER_CODE[0]='H14'

A FD module with performance data 9/18 A is present on the first slot of the drive bus.

Example: $MA_FIX_POINT_POS**[0,X1]**=500.000

The value 500 is assigned to the first fixed point position on axis 1.

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Examples:
$MN_AUXFU_GROUP_SPEC[2]='H41'
Output time of the auxiliary functions of the third auxiliary function group.

$MN_AXCONF_MACHAX_NAME_TAB[0]='X1'
The string "X1" is assigned to name the first machine axis.

$MA_REFP_SET_POS[0,X1]=100.00000
A value of 100 mm is assigned to the first reference point value of axis X1.

Examples:
Assignment to channel-specific machine data:

```
CHANDATA(1)                          ;Selection of the
                                     first
                                     ;channel

$MC_CHAN_NAME='CHAN1'                ;Name of the first
                                     ;channel

$MC_AXCONF_GEOAX_NAME_TAB[1]='Y'     ;Name of the second
                                     ;geometry axis of the
                                     ;first channel is Y

R10 = 33.75                          ;R10 of the first
...                                  channel

CHANDATA(2)                          ;Selection of the sec-
                                     ond ;channel

$MC_CHAN_NAME='CHAN2'                ;Name of the second
...                                  ;channel

R10 = 96.88                          ;R10 of the second
...                                  ;channel
```

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2.2 Display Machine Data

Product: Handbuch_Sinumerik, Version: V02.6, Language: eng

Number	Identifier			Display filters	Reference	
Unit	Name			Data type	Active	
Attributes						
System	Dimension	Default value	Minimum value	Maximum value	Protection	Class
9006	DISPLAY_SWITCH_OFF_INTERVAL			-	-	
-	Time for screen saver			DWORD	PowerOn	
-						
-	-	60	0	180	7/3	M
9009	KEYBOARD_STATE			-	-	
-	Keyboard shift behavior at booting			BYTE	PowerOn	
-						
-	-	0	0	2	7/3	M
9032	HMI_MONITOR			-	-	
-	Define PLC data for HMI screen info			STRING	PowerOn	
-						
-	-		-	-	7/1	M
9056	ALARM_ROTATION_CYCLE			-	-	
-	Rotation cycle time for alarm display			DWORD	PowerOn	
-						
-	-	0	0	10000	7/3	M
9100	CHANGE_LANGUAGE_MODE			-	-	
-	Language selection mode			BYTE	Immediately	
-						
-	-	1	1	2	7/3	I
9102	SHOW_TOOLTIP			-	-	
-	Display tooltip			BYTE	Immediately	
-						
-	-	1	0	1	7/3	U
9103	TOOLTIP_TIME_DELAY			-	-	
s	Time delay tooltip display			BYTE	Immediately	
-						
-	-	1	0	60	7/3	U

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9105	HMI_WIDE_SCREEN			-	-	
-	Display of the HMI as wide screen with OEM area always visible			BYTE	PowerOn	
-						
-	-	0	0	1	7/2	M

9106	SERVE_EXTCALL_PROGRAMS			-	-	
-	Process EXTCALL calls			BYTE	PowerOn	
-						
-	-	1	0	1	7/3	M

9107	DRV_DIAG_DO_AND_COMP_NAMES			-	-	
-	Expanded drive diagnostics: DO and components			BYTE	Immediately	
-						
-	-	0	0	3	7/3	I

9108	ENABLE_EPS_SERVICES			-	-	
-	Activation of ePS Network services			BYTE	Immediately	
-						
-	-	0	0	1	7/3	M

9110	ACCESS_HMI_EXIT			-	-	
-	Protection level of exit softkey			BYTE	PowerOn	
-						
-	-	1	0	7	7/2	M

9900	MD_TEXT_SWITCH			-	-	
-	Plaintexts instead of MD identifier			BOOLEAN	Immediately	
-						
-	-	0	-	-	7/3	U

9990	SW_OPTIONS			-	-	
-	Enable HMI software options			DWORD	Immediately	
-						
-	-	0	-	-	1/1	I

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2.3 General machine data

Number	Identifier			Display filters	Reference	
Unit	Name			Data type	Active	
Attributes						
System	Dimension	Default value	Minimum value	Maximum value	Protection	Class

2.3.1 System settings

10000	AXCONF_MACHAX_NAME_TAB			N01, N11	K2,F1,G2,F2,K5,M1	
-	Machine axis name			STRING	PowerOn	
-						
710-6a2c	31	X1,Y1,Z1,A1,B1,C1	-	-	7/2	M
710-31a10c	31	X1,Y1,Z1,A1,B1,C1,U1...	-	-	7/2	M
710-31a10c6	31	X1,Y1,Z1,A1,B1,C1	-	-	7/2	M
720-6a2c	31	X1,Y1,Z1,A1,B1,C1	-	-	7/2	M
720-31a10c	31	X1,Y1,Z1,A1,B1,C1,U1...	-	-	7/2	M
720-31a10c6	31	X1,Y1,Z1,A1,B1,C1	-	-	7/2	M
730-6a2c	31	X1,Y1,Z1,A1,B1,C1	-	-	7/2	M
730-31a10c	31	X1,Y1,Z1,A1,B1,C1,U1...	-	-	7/2	M
730-31a10c6	31	X1,Y1,Z1,A1,B1,C1	-	-	7/2	M

10002	AXCONF_LOGIC_MACHAX_TAB			N01	B3,K2	
-	Logical NCK machine axis image			STRING	PowerOn	
-						
-	31	AX1,AX2,AX3,AX4,AX5,AX6...	-	-	3/2	M

10010	ASSIGN_CHAN_TO_MODE_GROUP			N01, N02, N11	K1,K5	
-	Channel valid in mode group			DWORD	PowerOn	
-						
710-6a2c	10	1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	2	7/2	M
710-31a10c	10	1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	10	7/2	M
710-31a10c6	10	1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	4	7/2	M
720-6a2c	10	1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	2	7/2	M
720-31a10c	10	1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	10	7/2	M
720-31a10c6	10	1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	4	7/2	M
730-6a2c	10	1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	2	7/2	M
730-31a10c	10	1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	10	7/2	M
730-31a10c6	10	1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	4	7/2	M

10050	SYSCLOCK_CYCLE_TIME			N01, N05, N11, -	G3,G2,R1	
s	System clock cycle			DOUBLE	PowerOn	
SFCO						
-	-	0.002	0.001	0.008	7/2	M

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10059	PROFIBUS_ALARM_MARKER			N05	G3	
-	PROFIBUS/PROFINET alarm flag (internal only)			BYTE	PowerOn	
NBUP, NDLD						
-	-	0	-	-	0/0	S

10060	POSCTRL_SYSCLOCK_TIME_RATIO			N01, N05	G3	
-	Factor for position control cycle			DWORD	PowerOn	
SFCO						
-	-	1	1	31	7/2	M

10061	POSCTRL_CYCLE_TIME			N01, N05	G3	
-	Position control cycle			DOUBLE	PowerOn	
-						
-	-	0.0	-	-	7/RO	S

10062	POSCTRL_CYCLE_DELAY			N01, N05	G3	
s	Position control cycle offset			DOUBLE	PowerOn	
-						
-	-	0.0	0.000	0.008	7/2	M

10063	POSCTRL_CYCLE_DIAGNOSIS			EXP, N01, N05	-	
s	Active timing			DOUBLE	PowerOn	
-						
-	3	0.0,0.0,0.0	-	-	7/RO	M

10065	POSCTRL_DESVAL_DELAY			N01	B3	
s	Position setpoint delay			DOUBLE	PowerOn	
-						
-	-	0.0	-0.1	0.1	7/2	M

10070	IPO_SYSCLOCK_TIME_RATIO			N01, N05, N11, -	G3,R1	
-	Factor for interpolation cycle			DWORD	PowerOn	
SFCO						
-	-	4	1	100	7/2	M

10071	IPO_CYCLE_TIME			N01, N05, N11, -	G3	
-	Interpolator cycle			DOUBLE	PowerOn	
-						
-	-	0.0	-	-	7/RO	S

10072	COM_IPO_TIME_RATIO			N01, N05	-	
-	Division ratio between IPO and communication task			DOUBLE	PowerOn	
-						
-	-	1.0	0.0	100.0	7/2	M

10073	COM_IPO_STRATEGY			EXP	-	
-	Strategy for activation of communication.			DWORD	PowerOn	
-						
-	-	0x0F	1	0x7F	0/0	S

10080	SYSCLOCK_SAMPL_TIME_RATIO			EXP, N01	G3	
-	Division ratio for actual value recording cycle time			DWORD	PowerOn	
-						
-	-	1	1	31	-1/0	S

10088	REBOOT_DELAY_TIME			EXP	K3	
s	Reboot delay			DOUBLE	Immediately	
-						
-	-	0.2	0.0	1.0	2/2	M

10089	SAFE_PULSE_DIS_TIME_BUSFAIL			N01, N06, -	FBSI	
s	Delay time pulse suppr. for bus failure			DOUBLE	PowerOn	
-						
-	-	0.0	0	0.8	7/2	M

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10090	SAFETY_SYSCLOCK_TIME_RATIO			N01, N06, -	FBSI	
-	Factor for monitoring cycle			DWORD	PowerOn	
SFCO						
-	-	3	1	50	7/1	M

10091	INFO_SAFETY_CYCLE_TIME			N01, N06, N05, -	FBSI	
s	Display of monitoring cycle time			DOUBLE	PowerOn	
-						
-	-	0.0	-	-	7/RO	S

10092	INFO_CROSSCHECK_CYCLE_TIME			N01, N06, N05, -	FBSI	
s	Display of cycle time for cross-checking			DOUBLE	PowerOn	
-						
-	-	0.0	-	-	7/RO	S

10093	INFO_NUM_SAFE_FILE_ACCESS			EXP, N06, N05, -	FBSI	
-	Number of SPL file accesses			DWORD	PowerOn	
-						
-	-	0	-	-	0/RO	S

10094	SAFE_ALARM_SUPPRESS_LEVEL			EXP, N06, N05, -	FBSI	
-	Alarm suppress level			BYTE	PowerOn	
-						
-	-	2	0	113	7/2	M

10095	SAFE_MODE_MASK			EXP, N05, -	FBSI	
-	'Safety Integrated' operating modes			DWORD	PowerOn	
-						
-	-	0	0x00000000	0x00000006	7/2	M

10096	SAFE_DIAGNOSIS_MASK			EXP, N06, N05, -	FBSI	
-	'Safety Integrated' diagnosis functions			DWORD	NEW CONF	
-						
-	-	1	0	0x0007	7/2	M

10097	SAFE_SPL_STOP_MODE			N01, N06, -	FBSI	
-	Stop reaction for SPL errors			BYTE	PowerOn	
-						
-	-	3	3	4	7/2	M

10098	PROFISAFE_IPO_TIME_RATIO			N01, N06, -	FBSI	
-	Factor for PROFIsafe communication			DWORD	PowerOn	
SFCO						
-	-	1	1	25	7/1	M

10099	INFO_PROFISAFE_CYCLE_TIME			N01, N06, N05, -	FBSI	
s	PROFIsafe communication cycle time			DOUBLE	PowerOn	
-						
-	-	0.0	-	-	7/RO	S

10110	PLC_CYCLE_TIME_AVERAGE			N01, N07	B1	
s	Average PLC acknowledgement time			DOUBLE	PowerOn	
-						
-	-	0.05	-	-	7/2	M

10130	TIME_LIMIT_NETTO_COM_TASK			EXP, N01	OEM	
s	Runtime limitation of communication to HMI			DOUBLE	PowerOn	
-						
-	-	0.05	0.01	1.000	0/0	S

10131	SUPPRESS_SCREEN_REFRESH			EXP	A2	
-	Screen refresh response under overload			BYTE	PowerOn	
-						
-	-	0	0	2	7/2	M

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10132	MMC_CMD_TIMEOUT			EXP, N01, N06	PA,M4	
s	Monitoring time for HMI command in the part program			DOUBLE	PowerOn	
-						
-	-	3.0	0.0	100.0	7/2	M

10134	MM_NUM_MMC_UNITS			EXP, N01, N02	B3	
-	Possible number of simultaneous HMI communication partners			DWORD	PowerOn	
-						
-	-	6	1	10	2/2	M

10136	DISPLAY_MODE_POSITION			N01	-	
-	Display mode for actual position in the WCS			DWORD	Reset	
-						
-	-	0	0	1	7/1	M

10160	PREP_COM_TASK_CYCLE_RATIO			EXP, N01	ECO	
-	Factor for communication with HMI			DWORD	PowerOn	
-						
-	-	3	1	50	7/1	M

10161	COM_CONFIGURATION			EXP, N01	-	
-	Configuration of communication			DWORD	PowerOn	
-						
-	8	5, 5,18, 1,16, 8,18,18	-	-	0/0	S

10170	PREP_PLCBG_TASK_CYCLE_RATIO			EXP, N01	ECO	
-	Factor for communication with SW PLC2xx			DWORD	PowerOn	
-						
-	-	1	1	50	-1/0	S

10171	TIME_LIMIT_NETTO_PLCBG_TASK			EXP, N01	ECO	
s	Runtime limitation of communication to SW PLC2xx			DOUBLE	PowerOn	
-						
-	-	0.005	.001	0.100	0/0	S

10172	PLCINT_POSCTRL_TIME_RATIO			EXP, N01	ECO	
-	Division ratio between servosynch. task of software PLC2xx and servotask			DWORD	PowerOn	
-						
-	-	1	1	10	-1/0	S

10173	TIME_LIMIT_PLCINT_TASK			EXP, N01	ECO	
s	Runtime limitation of servosynch. task of software PLC2xx			DOUBLE	PowerOn	
-						
-	-	0.00005	0.00001	0.0001	-1/0	S

10174	TIME_LIMIT_PLCINT_TASK_DIAG			EXP, N01, N05	-	
s	Runtimes of the servosynch. task of software PLC2xx with timeout			DOUBLE	PowerOn	
-						
-	3	0.0,0.0,0.0	-	-	-1/RO	M

10185	NCK_PCOS_TIME_RATIO			EXP, N01	-	
-	Processing time share NCK			DWORD	PowerOn	
-						
-	-	65	10	90	7/2	S

10190	TOOL_CHANGE_TIME			N01	BA	
-	Tool changing time for simulation			DOUBLE	PowerOn	
-						
-	-	0.	-	-	7/2	M

10192	GEAR_CHANGE_WAIT_TIME			N01	S1	
s	Gear stage change waiting time			DOUBLE	PowerOn	
-						
-	-	10.0	0.0	1.0e5	7/2	M

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10200	INT_INCR_PER_MM			N01	G2,K3	
-	Calculation resolution for linear positions			DOUBLE	PowerOn	
-						
-	-	1000.	1.0	1.0e9	7/2	M

10210	INT_INCR_PER_DEG			N01	G2,K3,R2	
-	Calculation resolution for angular positions			DOUBLE	PowerOn	
-						
-	-	1000.0	1.0	1.0e9	7/2	M

10220	SCALING_USER_DEF_MASK			EXP, N01	G2	
-	Activation of scaling factors			DWORD	PowerOn	
SCAL						
-	-	0x200	0	0x3FFF	7/2	M

10230	SCALING_FACTORS_USER_DEF			EXP, N01	G2	
-	Scaling factors of physical variables			DOUBLE	PowerOn	
SCAL						
-	15	1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0...	1e-9	-	7/2	M

10240	SCALING_SYSTEM_IS_METRIC			N01	G2,K3,A3,S1	
-	Basic system metric			BOOLEAN	PowerOn	
SCAL						
-	-	TRUE	-	-	7/2	M

10250	SCALING_VALUE_INCH			EXP	G2	
-	Conversion factor for INCH			DOUBLE	PowerOn	
SCAL						
-	-	25.4	1e-9	-	0/0	S

10260	CONVERT_SCALING_SYSTEM			EXP	-	
-	Enable basic system conversion			BOOLEAN	PowerOn	
LINK						
-	-	FALSE	-	-	1/1	M

10270	POS_TAB_SCALING_SYSTEM			N01, N09	T1,N3,G2	
-	System of units of position tables			BYTE	Reset	
-						
-	-	0	0	1	7/2	M

10280	PROG_FUNCTION_MASK			EXP, N01	K1	
-	Comparing (> and <) compatible with SW6.3			DWORD	PowerOn	
-						
-	-	0x0	0	0x7	7/2	M

10284	DISPLAY_FUNCTION_MASK			EXP, N01	-	
-	BTSS-variable lastBlockNoStr active			DWORD	PowerOn	
-						
-	-	0x0	-	-	7/2	M

10290	CC_TDA_PARAM_UNIT			N09	G2	
-	Physical units of tool data for compile cycles			DWORD	PowerOn	
-						
-	10	0,0,0,0,0,0,0,0,0,0	0	9	2/2	M

10291	CCS_TDA_PARAM_UNIT			N09	-	
-	physical units of SIEMENS-OEM tool data			DWORD	PowerOn	
-						
-	10	0,0,0,0,0,0,0,0,0,0	0	9	2/2	M

10292	CC_TOA_PARAM_UNIT			N09	G2	
-	Physical units of cutting edge data for compile cycles			DWORD	PowerOn	
-						
-	10	0,0,0,0,0,0,0,0,0,0	0	9	2/2	M

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10293	CCS_TOA_PARAM_UNIT			N09	-	
-	Physical units of SIEMENS-OEM cutting edge data			DWORD	PowerOn	
-						
-	10	0,0,0,0,0,0,0,0,0,0	0	9	2/2	M

10300	FASTIO_ANA_NUM_INPUTS			N10	A4,TE1	
-	Number of active analog NCK inputs			BYTE	PowerOn	
-						
-	-	0	0	8	7/2	M

10310	FASTIO_ANA_NUM_OUTPUTS			N10	A4	
-	Number of active analog NCK outputs			BYTE	PowerOn	
-						
-	-	0	0	8	7/2	M

10320	FASTIO_ANA_INPUT_WEIGHT			N10	A4	
-	Weighting factor for analog NCK inputs			DWORD	PowerOn	
-						
-	8	10000,10000,10000,10000,10000,10000...	1	10000000	7/2	M

10330	FASTIO_ANA_OUTPUT_WEIGHT			N10	A4	
-	Weighting factor for analog NCK outputs			DWORD	PowerOn	
-						
-	8	10000,10000,10000,10000,10000,10000...	1	10000000	7/2	M

10350	FASTIO_DIG_NUM_INPUTS			N10	A4,TE1	
-	Number of active digital NCK input bytes			BYTE	PowerOn	
-						
-	-	1	0	5	7/2	M

10360	FASTIO_DIG_NUM_OUTPUTS			N10	A4,TE8	
-	Number of active digital NCK output bytes			BYTE	PowerOn	
-						
-	-	0	0	5	7/2	M

10361	FASTIO_DIG_SHORT_CIRCUIT			N10	A4	
-	Short circuit of digital inputs and outputs			DWORD	PowerOn	
-						
-	10	0,0,0,0,0,0,0,0,0,0	-	-	7/2	M

10362	HW_ASSIGN_ANA_FASTIN			N10	A4,TE1	
-	Hardware assignment of the fast analog NCK inputs			DWORD	PowerOn	
-						
-	8	0x01000000,0x01000000,0x01000000...	0x01000000	0x060003FF	7/2	M

10364	HW_ASSIGN_ANA_FASTOUT			N10	A4,TE3	
-	Hardware assignment of external analog NCK outputs			DWORD	PowerOn	
-						
-	8	0x01000000,0x01000000,0x01000000...	0x01000000	0x060003FF	7/2	M

10366	HW_ASSIGN_DIG_FASTIN			N10	A4,TE1	
-	Hardware assignment of external digital NCK inputs			DWORD	PowerOn	
-						
-	10	0x01000000,0x01000000,0x01000000...	0x01000000	0x060003FF	7/2	M

10368	HW_ASSIGN_DIG_FASTOUT			N10	A4	
-	Hardware assignment of external digital NCK outputs			DWORD	PowerOn	
-						
-	4	0x01000000,0x01000000,0x01000000...	0x01000000	0x060003FF	7/2	M

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10385	PROFISAFE_MASTER_ADDRESS			N01, N06, -	FBSI	
-	PROFIsafe address master module			DWORD	PowerOn	
-						
-	-	0	0	0x0500FA7D	7/2	M

10386	PROFISAFE_IN_ADDRESS			N01, N06, -	FBSI	
-	PROFIsafe address input module			DWORD	PowerOn	
-						
-	16	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	0x0501FFFF	7/2	M

10387	PROFISAFE_OUT_ADDRESS			N01, N06, -	FBSI	
-	PROFIsafe-address output module			DWORD	PowerOn	
-						
-	16	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	0x0501FFFF	7/2	M

10388	PROFISAFE_IN_ASSIGN			N01, N06, -	FBSI	
-	Input.assignment $A_INSE to PROFIsafe module			DWORD	PowerOn	
-						
-	16	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	64064	7/2	M

10389	PROFISAFE_OUT_ASSIGN			N01, N06, -	FBSI	
-	Outp.assignment $A_OUTSE to PROFIsafe module			DWORD	PowerOn	
-						
-	16	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	64064	7/2	M

10390	SAFE_IN_HW_ASSIGN			N01, N06, -	FBSI	
-	Input assignment of external SPL interface			DWORD	PowerOn	
-						
-	8	0,0,0,0,0,0,0,0	-	-	-1/2	M

10392	SAFE_OUT_HW_ASSIGN			N01, N06, -	FBSI	
-	Output assignment ext. interface SPL			DWORD	PowerOn	
-						
-	8	0,0,0,0,0,0,0,0	-	-	-1/2	M

10393	SAFE_DRIVE_LOGIC_ADDRESS			N01, N06, -	-	
-	Logical drive addresses SI			DWORD	PowerOn	
-						
-	31	6700,6724,6748,6772,6796,6820,6844...	258	8191	7/2	M

10394	PLCIO_NUM_BYTES_IN			N10	A4	
-	Number of directly readable input bytes of the PLC I/Os			BYTE	PowerOn	
-						
-	-	0	0	32	7/2	M

10395	PLCIO_LOGIC_ADDRESS_IN			N10	A4	
-	Start addr. of the directly readable input bytes of the PLC I/Os			DWORD	PowerOn	
-						
-	-	0	-	-	7/2	M

10396	PLCIO_NUM_BYTES_OUT			N10	A4	
-	Number of directly writable output bytes of the PLC I/Os			BYTE	PowerOn	
-						
-	-	0	0	32	7/2	M

10397	PLCIO_LOGIC_ADDRESS_OUT			N10	A4	
-	Start addr. of the directly writable output bytes of PLC I/O			DWORD	PowerOn	
-						
-	-	0	-	-	7/2	M

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10398	PLCIO_IN_UPDATE_TIME			N10	A4	
s	Update time for PLCIO input cycle			DOUBLE	PowerOn	
-						
-	-	0.0	0	10000	7/2	M

10399	PLCIO_TYPE_REPRESENTATION			N10	A4	
-	Little/Big Endian for PLCIO			BYTE	PowerOn	
-						
-	-	0	0	1	7/2	M

10400	CC_VDI_IN_DATA			EXP, N02	OEM	
-	Number of input bytes for compile cycles			DWORD	PowerOn	
-						
-	-	0	0	1024	7/1	M

10410	CC_VDI_OUT_DATA			EXP, N02	OEM	
-	Number of output bytes for compile cycles			DWORD	PowerOn	
-						
-	-	0	0	1024	7/1	M

10420	CC_ASSIGN_FASTOUT_MASK			EXP, N10	OEM	
-	Reservation of external outputs for compile cycles			DWORD	PowerOn	
-						
-	-	0	-	-	7/2	M

10430	CC_HW_DEBUG_MASK			EXP	OEM	
-	Hardware debug mask for compile cycles			DWORD	PowerOn	
NBUP, NDLD						
-	-	0	0	0x7fffffff	7/1	M

10450	SW_CAM_ASSIGN_TAB			N09	N3	
-	Assignment of software cams to machine axes			BYTE	PowerOn	
-						
-	32	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0...	0	31	7/2	M

10460	SW_CAM_MINUS_LEAD_TIME			N09	N3	
s	Lead or delay time at minus cams 1-16			DOUBLE	PowerOn	
-						
-	32	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	-	-	7/2	M

10461	SW_CAM_PLUS_LEAD_TIME			N09	N3	
s	Lead or delay time at plus cams 1-16			DOUBLE	PowerOn	
-						
-	32	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	-	-	7/2	M

10470	SW_CAM_ASSIGN_FASTOUT_1			N09	N3	
-	Hardware assignment for output of cams 1-8 to NCK I/Os			DWORD	PowerOn	
-						
-	-	0	-	-	7/2	M

10471	SW_CAM_ASSIGN_FASTOUT_2			N09	N3	
-	Hardware assignment for the output of cams 9-16 to NCK I/Os			DWORD	PowerOn	
-						
-	-	0	-	-	7/2	M

10472	SW_CAM_ASSIGN_FASTOUT_3			N09	N3	
-	Hardware assignment for output of cams 17-24 to NCK I/Os			DWORD	PowerOn	
-						
-	-	0	-	-	7/2	M

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10473	SW_CAM_ASSIGN_FASTOUT_4			N09	N3	
-	Hardware assignment for output of cams 25-32 to NCK I/Os			DWORD	PowerOn	
-						
-	-	0	-	-	7/2	M

10480	SW_CAM_TIMER_FASTOUT_MASK			N09	N3	
-	Mask for output of cam signals via timer interr. to NCU			DWORD	PowerOn	
-						
-	-	0	-	-	7/2	M

10485	SW_CAM_MODE			N09	N3	
-	Behavior of SW cams			DWORD	PowerOn	
-						
-	-	0	-	-	7/2	M

10490	SW_CAM_COMP_NCK_JITTER			N09	-	
s	Cam jitter compensation			DOUBLE	NEW CONF	
-						
-	-	0	0.0	0.0001	7/2	M

10500	DPIO_LOGIC_ADDRESS_IN			N10	A4	
-	Logical slot address of the PROFIBUS/PROFINET I/Os			DWORD	PowerOn	
-						
-	16	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	8191	7/2	M

10501	DPIO_RANGE_LENGTH_IN			N10	A4	
-	Length of the PROFIBUS/PROFINET I/O range			DWORD	PowerOn	
-						
-	16	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	128	7/2	M

10502	DPIO_RANGE_ATTRIBUTE_IN			N10	A4	
-	Attributes of the PROFIBUS/PROFINET I/Os			DWORD	PowerOn	
-						
-	16	0x01,0x01,0x01,0x01,0x01,0x01,0x01,0x01...	0x00	0x0F	7/2	M

10510	DPIO_LOGIC_ADDRESS_OUT			N10	A4	
-	Logical slot address of the PROFIBUS/PROFINET I/Os			DWORD	PowerOn	
-						
-	16	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	8191	7/2	M

10511	DPIO_RANGE_LENGTH_OUT			N10	A4	
-	Length of the PROFIBUS I/O range			DWORD	PowerOn	
-						
-	16	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	128	7/2	M

10512	DPIO_RANGE_ATTRIBUTE_OUT			N10	A4	
-	Attributes of the PROFIBUS/PROFINET I/Os			DWORD	PowerOn	
-						
-	16	0x01,0x01,0x01,0x01,0x01,0x01,0x01,0x01...	0x00	0x0F	7/2	M

10530	COMPAR_ASSIGN_ANA_INPUT_1			N10	A4	
-	Hardware assignment of analog inputs for comparator byte 1			BYTE	PowerOn	
-						
-	8	0,0,0,0,0,0,0,0	-	-	7/2	M

10531	COMPAR_ASSIGN_ANA_INPUT_2			N10	A4	
-	Hardware assignment of analog inputs for comparator byte 2			BYTE	PowerOn	
-						
-	8	0,0,0,0,0,0,0,0	-	-	7/2	M

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10540	COMPAR_TYPE_1			N10	A4	
-	Parameterization for comparator byte 1			DWORD	PowerOn	
-						
-	-	0	-	-	7/2	M

10541	COMPAR_TYPE_2			N10	A4	
-	Parameterization of comparator byte 2			DWORD	PowerOn	
-						
-	-	0	-	-	7/2	M

10600	FRAME_ANGLE_INPUT_MODE			EXP, N01, N09	K2	
-	Sequence of rotation in FRAME			BYTE	PowerOn	
-						
-	-	1	1	2	7/2	M

10602	FRAME_GEOAX_CHANGE_MODE			EXP, N01, N09	K2	
-	Frames when changing geometry axes			BYTE	PowerOn	
-						
-	-	0	0	5	7/2	M

10604	WALIM_GEOAX_CHANGE_MODE			EXP, N01, N09	A3	
-	Working area limitation by changing geometry axes			BYTE	PowerOn	
-						
-	-	0	0	1	7/2	M

10610	MIRROR_REF_AX			EXP, N01, N09	K2	
-	Reference axis for mirroring			BYTE	PowerOn	
-						
-	-	0	0	3	7/2	M

10612	MIRROR_TOGGLE			EXP, N01, N09	K2	
-	Mirror toggle			BYTE	PowerOn	
-						
-	-	1	0	1	7/2	M

10613	NCBFRAME_RESET_MASK			EXP	K2	
-	Active NCU global base frames after reset			DWORD	Reset	
-						
-	-	0xFFFF	0	0xFFFF	7/2	M

10615	NCBFRAME_POWERON_MASK			EXP, N12	K2	
-	Reset global base frames after power on			DWORD	PowerOn	
-						
-	-	0	0	0xFFFF	7/2	M

10617	FRAME_SAVE_MASK			EXP	K2	
-	Behavior of frames in SAVE subroutines			DWORD	PowerOn	
-						
-	-	0	0	0x3	7/2	M

10618	PROTAREA_GEOAX_CHANGE_MODE			EXP, N01, N09	A3	
-	Protection range on change of geometry axes			BYTE	PowerOn	
-						
-	-	0	0	3	7/2	M

10619	COLLISION_TOLERANCE			EXP	-	
mm	Tolerance for collision check			DOUBLE	NEW CONF	
-						
-	-	1	0.001	1000.0	7/3	M

10620	EULER_ANGLE_NAME_TAB			N01, N09	F2,TE4	
-	Name of Euler angle			STRING	PowerOn	
-						
-	3	A2,B2,C2	-	-	7/2	M

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10624	ORIPATH_LIFT_VECTOR_TAB			N01, N09	-	
-	Name of retraction vector for path-relative orientation.			STRING	PowerOn	
-						
-	3	A8,B8,C8	-	-	7/2	M

10626	ORIPATH_LIFT_FACTOR_NAME			N01, N09	-	
-	Name of relative safety clearance with ORIPATH			STRING	PowerOn	
-						
-	-	ORIPLF	-	-	7/2	M

10630	NORMAL_VECTOR_NAME_TAB			N01, N09	F2	
-	Name of normal vectors			STRING	PowerOn	
-						
-	6	A4,B4,C4,A5,B5,C5	-	-	7/2	M

10640	DIR_VECTOR_NAME_TAB			N01, N09	F2,TE4	
-	Name of direction vectors			STRING	PowerOn	
-						
-	6	A3,B3,C3,AN3,BN3,CN3	-	-	7/2	M

10642	ROT_VECTOR_NAME_TAB			N01, N09	F2	
-	Name of rotation vectors			STRING	PowerOn	
-						
-	3	A6,B6,C6	-	-	7/2	M

10644	INTER_VECTOR_NAME_TAB			N01, N09	F2	
-	Name of intermediate vector components			STRING	PowerOn	
-						
-	3	A7,B7,C7	-	-	7/2	M

10646	ORIENTATION_NAME_TAB			N01, N09	F2	
-	Identifiers for programming a 2nd orientation path			STRING	PowerOn	
-						
-	3	XH,YH,ZH	-	-	7/2	M

10648	NUTATION_ANGLE_NAME			N01, N09	F2	
-	Name of aperture angle			STRING	PowerOn	
-						
-	-	NUT	-	-	7/2	M

10650	IPO_PARAM_NAME_TAB			EXP, N01	K2	
-	Name of interpolation parameters			STRING	PowerOn	
-						
-	3	I,J,K	-	-	7/2	M

10652	CONTOUR_DEF_ANGLE_NAME			EXP, N01, N12	FBFA	
-	Name of angle for contour definitions			STRING	PowerOn	
-						
-	-	ANG	-	-	0/0	S

10654	RADIUS_NAME			EXP, N01, N12	FBFA	
-	Name of radius for contour definitions			STRING	PowerOn	
-						
-	-	RND	-	-	0/0	S

10656	CHAMFER_NAME			EXP, N01, N12	FBFA	
-	Name of chamfer for contour definitions			STRING	PowerOn	
-						
-	-	CHR	-	-	0/0	S

10660	INTERMEDIATE_POINT_NAME_TAB			EXP, N01	K2	
-	Name of interpolation point coordinates for G2/G3			STRING	PowerOn	
-						
-	3	I1,J1,K1	-	-	7/2	M

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10670	STAT_NAME			N01, N09	F2	
-	Name of state information			STRING	PowerOn	
-						
-	-	STAT	-	-	7/2	M

10672	TU_NAME			N01, N09	F2	
-	Name of state information of axes			STRING	PowerOn	
-						
-	-	TU	-	-	7/2	M

10674	PO_WITHOUT_POLY			N01	F2	
-	Polynomial programming programmable without G function POLY			BOOLEAN	PowerOn	
-						
-	-	FALSE	-	-	7/2	M

10680	MIN_CONTOUR_SAMPLING_TIME			N01, EXP	-	
s	Minimum contour sampling time			DOUBLE	Reset	
-						
710-6a2c	-	0.004	-	-	0/0	M
710-31a10c	-	0.004	-	-	0/0	M
710-31a10c6	-	0.004	-	-	0/0	M
720-6a2c	-	0.002	-	-	0/0	M
720-31a10c	-	0.002	-	-	0/0	M
720-31a10c6	-	0.002	-	-	0/0	M
730-6a2c	-	0.0005	-	-	0/0	M
730-31a10c	-	0.0005	-	-	0/0	M
730-31a10c6	-	0.0005	-	-	0/0	M

10682	CONTOUR_SAMPLING_FACTOR			N01, EXP	-	
-	Contour sampling factor			DOUBLE	Reset	
-						
-	-	1.0	-	-	1/1	M

10690	DRAW_POS_TRIGGER_TIME			EXP, N01	-	
s	Trigger time for IPO event 'DRAW_POS'			DOUBLE	NEW CONF	
-						
-	-	0.3	0	30	1/1	M

10700	PREPROCESSING_LEVEL			N01, N02	V2,K1	
-	Program preprocessing level			BYTE	PowerOn	
-						
-	-	0x25	-	-	2/2	M

10702	IGNORE_SINGLEBLOCK_MASK			N01	K1,Z1	
-	Prevents stopping at specific blocks in single block mode			DWORD	PowerOn	
-						
-	-	0	0	0x1FFFF	7/2	M

10704	DRYRUN_MASK			N01	V1	
-	Dry run feedrate activation			BYTE	PowerOn	
-						
-	-	0	0	2	7/2	M

10706	SLASH_MASK			N01	PG,A2	
-	Activation of block skip			BYTE	PowerOn	
-						
-	-	0	0	2	7/2	M

10707	PROG_TEST_MASK			N01	K1	
-	Program test mode			DWORD	PowerOn	
-						
-	-	0x1	0	0x7	7/2	M

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10708	SERUPRO_MASK			N01	K1	
-	Seach run modes			DWORD	PowerOn	
-						
-	-	0	0	31	7/2	M

10709	PROG_SD_POWERON_INIT_TAB			EXP, N01	K1	
-	Setting data to be initialized			DWORD	PowerOn	
-						
-	30	43200,43202,0,0,0,0,0, 0,0,0,0,0,0,0,0,0,0...	-	-	7/2	M

10710	PROG_SD_RESET_SAVE_TAB			EXP, N01	A3, V1	
-	Setting data to be updated			DWORD	PowerOn	
-						
-	30	0,0,0,0,0,0,0,0,0,0,0,0,0 ,0,0,0,0,0,0,0,0,0,0, 0...	-	-	7/2	M

10711	NC_LANGUAGE_CONFIGURATION			EXP, N01	K1	
-	NC language commands of inactive options / functions			DWORD	PowerOn	
-						
-	-	0	0	4	0/0	S

10712	NC_USER_CODE_CONF_NAME_TAB			EXP, N01, N12	TE1,B1	
-	List of reconfigured NC codes			STRING	PowerOn	
-						
-	200	...	-	-	2/2	M

10713	M_NO_FCT_STOPRE			EXP, N12, N07	H2	
-	M function with preprocessing stop			DWORD	PowerOn	
-						
-	15	-1,-1,-1,-1,-1,-1,-1,-1,- 1,-1,-1,-1,-1...	-	-	7/2	M

10714	M_NO_FCT_EOP			EXP, N07	K1,H2	
-	M function for spindle active after reset			DWORD	PowerOn	
-						
-	-	-1	-	-	7/2	M

10715	M_NO_FCT_CYCLE			EXP, N12, N07	H2,K1	
-	M function to be replaced by a subroutine			DWORD	PowerOn	
-						
-	30	-1,-1,-1,-1,-1,-1,-1,-1,- 1,-1,-1,-1,-1...	-	-	7/2	M

10716	M_NO_FCT_CYCLE_NAME			EXP, N12, N07	K1	
-	Subroutine name for M function replacement			STRING	PowerOn	
-						
-	30		-	-	7/2	M

10717	T_NO_FCT_CYCLE_NAME			EXP, N12, N07	K1	
-	Name of tool-changing cycle for T function replacement			STRING	PowerOn	
-						
-	-		-	-	7/2	M

10718	M_NO_FCT_CYCLE_PAR			EXP, N12, N07	K1	
-	M function replacement with parameters			DWORD	PowerOn	
-						
-	-	-1	-	-	7/2	M

10719	T_NO_FCT_CYCLE_MODE			EXP, N12, N07	K1	
-	Setting of T function substitution			DWORD	PowerOn	
-						
-	-	0	0	7	7/2	M

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10720	OPERATING_MODE_DEFAULT			N01	H2	
-	Setting of mode after power ON			BYTE	PowerOn	
-						
-	10	7,7,7,7,7,7,7,7,7,7	0	12	7/2	M

10722	AXCHANGE_MASK			EXP, N01	K5	
-	Paramameters for axis replacement behavior			DWORD	PowerOn	
-						
-	-	0	0	0xFFFF	7/2	M

10731	JOG_MODE_KEYS_EDGETRIGGRD			EXP, N01	IAF	
-	Functioning of the JOG keys			BOOLEAN	PowerOn	
-						
-	-	TRUE	-	-	0/0	S

10735	JOG_MODE_MASK			EXP, N01	K1	
-	Settings for JOG mode			DWORD	PowerOn	
-						
-	-	0	0	0xff	7/2	M

10760	G53_TOOLCORR			N12	FBFA	
-	Method of operation of G53, G153 and SUPA			DWORD	NEW CONF	
-						
-	-	0	0	3	7/2	M

10780	UNLOCK_EDIT_MODESWITCH			EXP, N01	-	
-	Cancel start disable when editing a part program			BOOLEAN	PowerOn	
-						
-	-	FALSE	-	-	0/0	S

10800	EXTERN_CHAN_SYNC_M_NO_MIN			EXP, N12	H2	
-	1st M function for channel synchronization			DWORD	PowerOn	
-						
-	-	-1	-	-	7/2	M

10802	EXTERN_CHAN_SYNC_M_NO_MAX			EXP, N12	H2	
-	Last M function for channel synchronization			DWORD	PowerOn	
-						
-	-	-1	-	-	7/2	M

10804	EXTERN_M_NO_SET_INT			EXP, N12	H2,K1	
-	M function to activate ASUB			DWORD	PowerOn	
-						
-	-	96	-	-	7/2	M

10806	EXTERN_M_NO_DISABLE_INT			EXP, N12	H2,K1	
-	M function to deactivate ASUB			DWORD	PowerOn	
-						
-	-	97	-	-	7/2	M

10808	EXTERN_INTERRUPT_BITS_M96			EXP, N12	FBFA	
-	Activate interrupt program (ASUB)			DWORD	PowerOn	
-						
-	-	0	-	-	7/2	M

10810	EXTERN_MEAS_G31_P_SIGNAL			EXP, N12	FBFA	
-	Config. of measuring inputs for G31 P..			BYTE	PowerOn	
-						
-	4	1,1,1,1	0	3	7/2	M

10812	EXTERN_DOUBLE_TURRET_ON			EXP, N12	FBFA	
-	Double turret with G68			BOOLEAN	PowerOn	
-						
-	-	FALSE	-	-	7/2	M

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10814	EXTERN_M_NO_MAC_CYCLE			EXP, N12	H2,K1	
-	Macro call via M function			DWORD	PowerOn	
-						
-	30	-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1...	-	-	7/2	M

10815	EXTERN_M_NO_MAC_CYCLE_NAME			EXP, N12	H2	
-	Name of subroutine for M function macro call			STRING	PowerOn	
-						
-	30		-	-	7/2	M

10816	EXTERN_G_NO_MAC_CYCLE			EXP, N12	FBFA	
-	Macro call via G function			DOUBLE	PowerOn	
-						
-	50	-1.,-1.,-1.,-1.,-1.,-1.,-1.,-1.,-1.,-1....	-	-	7/2	M

10817	EXTERN_G_NO_MAC_CYCLE_NAME			EXP, N12	FBFA	
-	Name of subroutine for G function macro call			STRING	PowerOn	
-						
-	50		-	-	7/2	M

10818	EXTERN_INTERRUPT_NUM_ASUP			EXP, N12	FBFA	
-	Interrupt number for ASUB start (M96)			BYTE	PowerOn	
-						
-	-	1	1	8	7/2	M

10820	EXTERN_INTERRUPT_NUM_RETRAC			EXP, N12	FBFA	
-	Interrupt number for rapid retraction (G10.6)			BYTE	PowerOn	
-						
-	-	2	1	8	7/2	M

10850	MM_EXTERN_MAXNUM_OEM_GCODES			EXP, N01, N12	-	
-	Maximum number of OEM G codes			DWORD	PowerOn	
-						
-	-	0	0	1000	1/1	M

10880	MM_EXTERN_CNC_SYSTEM			N01, N12	FBFA	
-	Definition of the control system to be adapted			DWORD	PowerOn	
-						
-	-	1	1	3	7/2	M

10881	MM_EXTERN_GCODE_SYSTEM			N01, N12	FBFA	
-	ISO_3 Mode: GCodeSystem			DWORD	PowerOn	
-						
-	-	0	0	2	7/2	M

10882	NC_USER_EXTERN_GCODES_TAB			N12	FBFA	
-	List of user-specific G commands of an external NC language			STRING	PowerOn	
-						
-	60		-	-	2/2	M

10884	EXTERN_FLOATINGPOINT_PROG			N12	FBFA	
-	Evaluation of programmed values without decimal point			BOOLEAN	PowerOn	
-						
-	-	TRUE	-	-	7/2	M

10886	EXTERN_INCREMENT_SYSTEM			N12	FBFA	
-	Incremental system in external language mode			BOOLEAN	PowerOn	
-						
-	-	FALSE	-	-	7/2	M

10888	EXTERN_DIGITS_TOOL_NO			N12	FBFA	
-	Digits for T number in ISO mode			BYTE	PowerOn	
-						
-	-	2	0	8	7/2	M

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10889	EXTERN_DIGITS_OFFSET_NO			N12	FBFA	
-	Digits for offset number in ISO mode			BYTE	PowerOn	
-						
-	-	0	0	8	7/2	M

10890	EXTERN_TOOLPROG_MODE			N12	FBFA	
-	Tool change programming for external language			DWORD	PowerOn	
-						
-	-	0x0	-	-	7/2	M

10900	INDEX_AX_LENGTH_POS_TAB_1			N09	T1	
-	Number of positions for indexing axis table 1			DWORD	Reset	
-						
-	-	0	0	60	7/2	M

10910	INDEX_AX_POS_TAB_1			N09	T1	
mm/inch, degrees	Indexing position table 1			DOUBLE	Reset	
-						
-	60	0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0....	-	-	7/2	M

10920	INDEX_AX_LENGTH_POS_TAB_2			N09	T1	
-	Number of positions for indexing axis table 2			DWORD	Reset	
-						
-	-	0	0	60	7/2	M

10930	INDEX_AX_POS_TAB_2			N09	T1	
mm/inch, degrees	Indexing position table 2			DOUBLE	Reset	
-						
-	60	0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0....	-	-	7/2	M

10940	INDEX_AX_MODE			EXP	T1	
-	Settings for indexing position			DWORD	PowerOn	
-						
-	-	0	0	1	7/2	M

11100	AUXFU_MAXNUM_GROUP_ASSIGN			N01, N07, N02	H2	
-	Number of auxiliary functions distr. amongst aux. fct. groups			DWORD	PowerOn	
-						
-	-	1	1	255	7/2	M

11110	AUXFU_GROUP_SPEC			N07	H2	
-	Auxiliary function group specification			DWORD	PowerOn	
-						
-	168	0x81,0x21,0x41,0x41,0x41,0x41,0x41,0x41...	-	-	7/2	M

11120	LUD_EXTENDED_SCOPE			N01	PG	
-	Function "program global user data (PUD)" is active			BOOLEAN	PowerOn	
-						
-	-	FALSE	-	-	7/2	M

11140	GUD_AREA_SAVE_TAB			N01	-	
-	Additional saving for GUD modules			DWORD	Immediately	
-						
-	9	0,0,0,0,0,0,0,0,0	-	-	7/2	M

11160	ACCESS_EXEC_CST			N01	-	
-	Execution right for /_N_CST_DIR			BYTE	PowerOn	
-						
-	-	7	-	-	7/2	M

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11161	ACCESS_EXEC_CMA			N01	-	
-	Execution right for /_N_CMA_DIR			BYTE	PowerOn	
-						
-	-	7	-	-	7/2	M

11162	ACCESS_EXEC_CUS			N01	-	
-	Execution right for /_N_CUS_DIR			BYTE	PowerOn	
-						
-	-	7	-	-	7/3	U

11165	ACCESS_WRITE_CST			N01	-	
-	Write protection for directory /_N_CST_DIR			DWORD	PowerOn	
-						
-	-	-1	-	-	7/2	M

11166	ACCESS_WRITE_CMA			N01	-	
-	Write protection for directory /_N_CMA_DIR			DWORD	PowerOn	
-						
-	-	-1	-	-	7/2	M

11167	ACCESS_WRITE_CUS			N01	-	
-	Write protection for directory /_N_CUS_DIR			DWORD	PowerOn	
-						
-	-	-1	-	-	7/3	U

11170	ACCESS_WRITE_SACCESS			N01	-	
-	Write protection for _N_SACCESS_DEF			BYTE	PowerOn	
-						
-	-	7	-	-	7/2	M

11171	ACCESS_WRITE_MACCESS			N01	-	
-	Write protection for _N_MACCESS_DEF			BYTE	PowerOn	
-						
-	-	7	-	-	7/2	M

11172	ACCESS_WRITE_UACCESS			N01	-	
-	Write protection for _N_UACCESS_DEF			BYTE	PowerOn	
-						
-	-	7	-	-	7/3	U

11200	INIT_MD			EXP, N01	IAF,IAD,IA	
-	Standard machine data loaded at next Power On			BYTE	PowerOn	
-						
-	-	0	-	-	7/2	M

11210	UPLOAD_MD_CHANGES_ONLY			N01, N05	IAD	
-	Machine data backup of changed machine data only			BYTE	Immediately	
-						
-	-	0xFF	-	-	7/3	M

11220	INI_FILE_MODE			N01, N05	G2	
-	Error response to INI file errors			BYTE	Reset	
-						
-	-	1	0	2	7/2	M

11230	MD_FILE_STYLE			N01, N05	IAD	
-	Structure of machine data backup files			BYTE	Immediately	
-						
-	-	3	-	-	7/3	M

11240	PROFIBUS_SDB_NUMBER			N01, N05	K4,FBU	
-	SDB number			DWORD	PowerOn	
-						
-	4	-1,-1,-1,-1	-1	7	-1/2	M

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11241	PROFIBUS_SDB_SELECT			N01, N05	-	
-	SDB source selection			DWORD	PowerOn	
-						
-	-	0	0	3	-1/2	M

11250	PROFIBUS_SHUTDOWN_TYPE			EXP, N01	G3,FBU	
-	PROFIBUS/PROFINET shutdown handling			BYTE	PowerOn	
-						
-	-	0	0	2	7/2	M

11280	WPD_INI_MODE			N01	IAD	
-	Handling of INI files in workpiece directory			BYTE	PowerOn	
-						
-	-	0	0	1	7/2	M

11285	MACH_MODEL_MODE			EXP	IAD	
-	Type of file with machine model			BYTE	Immediately	
-						
-	-	0	0	1	3/3	U

11290	DRAM_FILESYSTEM_MASK			N01	S7	
-	Select directories in DRAM			DWORD	PowerOn	
-						
-	-	0x3f	-	-	2/2	M

11291	DRAM_FILESYST_SAVE_MASK			N01	S7	
-	Back up of directories in DRAM			DWORD	PowerOn	
-						
-	-	0x3f	-	-	0/0	M

11292	DRAM_FILESYST_CONFIG			EXP	-	
-	Configuration of the DRAM file system			BYTE	PowerOn	
-						
-	-	0x22	-	-	0/0	S

11294	SIEM_TRACEFILES_CONFIG			EXP	-	
-	Configuration of the SIEM* trace file			DWORD	PowerOn	
-						
-	-	0	-	-	2/2	M

11295	PROTOC_FILE_MEM			N01	-	
-	Memory type for log files			BYTE	PowerOn	
-						
-	10	1,1,1,1,1,1,1,1,1,1	0	1	1/1	M

11297	PROTOC_IPOCYCLE_CONTROL			N01	-	
-	Prevent overrun of IPO time level			BYTE	PowerOn	
-						
-	10	1,1,1,1,1,1,1,1,1,1	0	1	1/1	M

11298	PROTOC_PREPTIME_CONTROL			N01	-	
-	Interruption time prep time level in seconds.			DOUBLE	PowerOn	
-						
-	10	1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0...	-	-	1/1	M

11300	JOG_INC_MODE_LEVELTRIGGRD			N01	H1,R1	
-	INC and REF in jog mode			BOOLEAN	PowerOn	
-						
-	-	TRUE	-	-	7/2	M

11310	HANDWH_REVERSE			N09	H1	
-	Threshold for direction change handwheel			BYTE	PowerOn	
-						
-	-	2	-	-	7/2	M

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11320	HANDWH_IMP_PER_LATCH			N09	H1	
-	Handwheel pulses per detent position			DOUBLE	PowerOn	
-						
-	6	1.,1.,1.,1.,1.,1.	-	-	7/2	M

11322	CONTOURHANDWH_IMP_PER_LATCH			N09	H1	
-	Contour handwheel pulses per detent position			DOUBLE	PowerOn	
-						
-	6	1.,1.,1.,1.,1.,1.	-	-	7/2	M

11324	HANDWH_VDI_REPRESENTATION			N01	OEM	
-	Display of handwheel number in VDI Interface			DWORD	PowerOn	
-						
-	-	0	0	1	7/2	M

11330	JOG_INCR_SIZE_TAB			EXP, N09	H1	
-	Increment size for INC/handwheel			DOUBLE	PowerOn	
-						
-	5	1.,10.,100.,1000.,10000.	-	-	7/2	M

11346	HANDWH_TRUE_DISTANCE			N01	H1,P1,W1	
-	Handwheel default path or velocity			BYTE	PowerOn	
-						
-	-	1	0	7	7/2	M

11350	HANDWHEEL_SEGMENT			N09	H1	
-	Handwheel segment			BYTE	PowerOn	
-						
-	6	0,0,0,0,0,0	-	-	7/2	M

11351	HANDWHEEL_MODULE			N09	H1	
-	Handwheel module			BYTE	PowerOn	
-						
-	6	0,0,0,0,0,0	0	6	7/2	M

11352	HANDWHEEL_INPUT			N09	H1	
-	Handwheel connection			BYTE	PowerOn	
-						
-	6	0,0,0,0,0,0	0	6	7/2	M

11353	HANDWHEEL_LOGIC_ADDRESS			N04, N10	H1	
-	Logical handwheel slot addresses			DWORD	PowerOn	
-						
-	6	0,0,0,0,0,0	0	8191	7/2	M

11354	HANDWHEEL_FILTER_TIME			N09	-	
s	Filter time for handwheel pulses			DOUBLE	PowerOn	
-						
-	6	0.0,0.0,0.0,0.0,0.0,0.0	0.0	2.0	7/2	M

11380	MONITOR_ADDRESS			EXP, N06	STZ	
-	Test MD for changing the NCK code or data for Safety Integrated			DWORD	Immediately	
NBUP, NDLD						
-	-	0	-	-	0/0	S

11382	MONITOR_DISPLAY_INT			EXP, N06	STZ	
-	INTEGER display of the addressed location			DWORD	Immediately	
NBUP, NDLD						
-	-	0	-	-	0/0	S

11384	MONITOR_DISPLAY_REAL			EXP, N06	STZ	
-	REAL display of the addressed location			DOUBLE	Immediately	
NBUP, NDLD						
-	-	0.0	-	-	0/0	S

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11386	MONITOR_INPUT_INT			EXP, N06	STZ	
-	INTEGER input for the addressed location			DWORD	Immediately	
NBUP, NDLD						
-	-	0	-	-	0/0	S

11388	MONITOR_INPUT_REAL			EXP, N06	STZ	
-	REAL input for addressed location			DOUBLE	Immediately	
NBUP, NDLD						
-	-	0.0	-	-	0/0	S

11390	MONITOR_INPUT_STROBE			EXP, N06	STZ	
-	Overwrite the addressed location with MONITOR_INT/REAL			BYTE	Immediately	
NBUP, NDLD						
-	-	0	0	2	0/0	S

11398	AXIS_VAR_SERVER_SENSITIVE			EXP	B3	
-	Axis-Var server response			BYTE	PowerOn	
-						
-	-	0	-	-	7/2	M

11400	TRACE_SELECT			EXP	-	
-	Activation of internal trace functions			DWORD	PowerOn	
-						
-	-	0	-	-	0/0	S

11405	TCI_TRACE_ACTIVE			EXP	-	
-	Activation of internal task trace function			BOOLEAN	PowerOn	
-						
-	-	FALSE	-	-	0/0	S

11410	SUPPRESS_ALARM_MASK			EXP, N06	D1,M3,K3,S1,V1,W1	
-	Mask for support of special alarm outputs			DWORD	PowerOn	
-						
-	-	0x108000	0	0xFFFFFFFF	7/2	M

11411	ENABLE_ALARM_MASK			EXP	D1,K1	
-	Activation of warnings			DWORD	Reset	
-						
-	-	0x0	0	0xFFFFFFFF	7/2	M

11412	ALARM_REACTION_CHAN_NOREADY			EXP, N01	D1	
-	Alarm response CHAN_NOREADY permitted			BOOLEAN	PowerOn	
-						
-	-	FALSE	-	-	7/2	M

11413	ALARM_PAR_DISPLAY_TEXT			EXP, N01	D1	
-	Alarm parameter as text output			BOOLEAN	PowerOn	
-						
-	-	FALSE	-	-	0/0	S

11414	ALARM_CLR_NCSTART_W_CANCEL			EXP, N01	D1	
-	Clear NCSTART alarms with CANCEL			BOOLEAN	PowerOn	
-						
-	-	FALSE	-	-	7/2	M

11415	SUPPRESS_ALARM_MASK_2			EXP, N06	-	
-	Masking of alarm outputs			DWORD	PowerOn	
-						
-	-	0x8	-	-	7/2	M

11420	LEN_PROTOCOL_FILE			N01	PGA	
-	Size of protocol files (kB)			DWORD	PowerOn	
-						
-	-	1	1	1000000	7/2	M

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11450	SEARCH_RUN_MODE			EXP, N01	K1,TE3,N4,H2,Z1	
-	Parameterization for search run			DWORD	PowerOn	
-						
-	-	0	0	0x3F	7/2	M

11460	OSCILL_MODE_MASK			N09	P5	
-	Mode mask for asynchronous oscillation			DWORD	PowerOn	
-						
-	-	0x0	0	0xFFFF	7/2	M

11470	REPOS_MODE_MASK			EXP, N01	K1	
-	Repositioning properties			DWORD	PowerOn	
-						
-	-	0x8	0	0xFFFF	7/2	M

11480	PLC_OB1_TRACE_DEPTH			EXP, N03, N09	-	
-	Buffer depth of PLC trace data at OB1			DWORD	PowerOn	
-						
-	-	2	2	8	2/2	M

11481	PLC_OB35_TRACE_DEPTH			EXP, N03, N09	-	
-	Buffer depth of PLC trace data at OB35			DWORD	PowerOn	
-						
-	-	2	2	8	2/2	M

11482	PLC_OB40_TRACE_DEPTH			EXP, N03, N09	-	
-	Buffer depth of PLC trace data at OB40			DWORD	PowerOn	
-						
-	-	2	2	8	2/2	M

11500	PREVENT_SYNACT_LOCK			N01, N09, -	S5,FBSY	
-	Protected synchronized actions			DWORD	PowerOn	
-						
-	2	0,0	0	255	7/2	M

11510	IPO_MAX_LOAD			N01, N05	-	
%	Max. permitted IPO load			DOUBLE	PowerOn	
-						
-	-	0.00	0.0	100.0	7/2	M

11550	STOP_MODE_MASK			N01	V1	
-	Defines the stop behavior.			DWORD	PowerOn	
-						
-	-	0	0	0x1	7/2	M

11600	BAG_MASK			N01	K1,Z1	
-	Defines the mode group behavior			DWORD	PowerOn	
-						
-	-	0	0	0x3	7/2	M

11602	ASUP_START_MASK			N01, -	K1,M3,TE3,TE7	
-	Ignore stop conditions for ASUB			DWORD	PowerOn	
-						
-	-	0	0	0xf	7/2	M

11604	ASUP_START_PRIO_LEVEL			N01, -	K1,TE3,TE7	
-	Priorities from which 'ASUP_START_MASK' is effective			DWORD	PowerOn	
-						
-	-	0	0	128	7/2	M

11610	ASUP_EDITABLE			N01	K1	
-	Activation of a user-specific ASUB program			DWORD	PowerOn	
-						
-	-	0	0	0x7	7/2	M

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11612	ASUP_EDIT_PROTECTION_LEVEL			N01	K1	
-	Protection level of the user-specific ASUB program			DWORD	PowerOn	
-						
-	-	2	0	7	7/2	M

11620	PROG_EVENT_NAME			EXP, N12	K1	
-	Program name for PROG_EVENT			STRING	PowerOn	
-						
-	-		-	-	7/2	M

11622	PROG_EVENT_PATH			N01	-	
-	Call path for PROG_EVENT			BYTE	PowerOn	
-						
-	-	3	0	3	7/2	M

11640	ENABLE_CHAN_AX_GAP			N01, N11	K2	
-	Allow channel axis gaps in AXCONF_MACHAX_USED			DWORD	PowerOn	
-						
-	-	0x0	0	0x1	2/2	M

11660	NUM_EG			N09	M3	
-	Number of possible 'electronic gear units'			BYTE	PowerOn	
-						
-	-	0	-	-	1/1	M

11717	D_NO_FCT_CYCLE_NAME			EXP, N12, N07	K1	
-	Subroutine name for D function replacement			STRING	PowerOn	
-						
-	-		-	-	7/2	M

11750	NCK_LEAD_FUNCTION_MASK			N09	-	
-	Functions for master value coupling			DWORD	NEW CONF	
-						
-	-	0x00	0	0x10	1/1	M

11752	NCK_TRAIL_FUNCTION_MASK			N09	-	
-	Functions for coupled motion			DWORD	NEW CONF	
-						
-	-	0x200	0	0x210	1/1	M

11754	COUPLE_CYCLE_MASK			EXP, N09	-	
-	Replacement of coupling language commands by machining cycles			DWORD	PowerOn	
-						
-	-	0x7F	0	0x7F	1/1	M

11756	NCK_EG_FUNCTION_MASK			N09	-	
-	Functions for Electronic Gear			DWORD	NEW CONF	
-						
-	-	0x0	0	0x2F	1/1	M

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2.3.2 Override switch settings

12000	OVR_AX_IS_GRAY_CODE			EXP, N10	V1,Z1	
-	Axis feedrate override switch Gray-coded			BOOLEAN	PowerOn	
-						
-	-	TRUE	-	-	7/2	M

12010	OVR_FACTOR_AX_SPEED			EXP, N10	V1,Z1	
-	Evaluation of axis feedrate override switch			DOUBLE	PowerOn	
-						
-	31	0.00,0.01,0.02,0.04,0.06,0.08,0.10...	0.00	2.00	7/2	M

12020	OVR_FEED_IS_GRAY_CODE			EXP, N10	V1,Z1	
-	Path feedrate override switch Gray-coded			BOOLEAN	PowerOn	
-						
-	-	TRUE	-	-	7/2	M

12030	OVR_FACTOR_FEEDRATE			EXP, N10	V1,B1,Z1	
-	Evaluation of path feedrate override switch			DOUBLE	PowerOn	
-						
-	31	0.00,0.01,0.02,0.04,0.06,0.08,0.10...	0.00	2.00	7/2	M

12040	OVR_RAPID_IS_GRAY_CODE			EXP, N10	V1,Z1	
-	Rapid traverse override switch Gray-coded			BOOLEAN	PowerOn	
-						
-	-	TRUE	-	-	7/2	M

12050	OVR_FACTOR_RAPID_TRA			EXP, N10	V1,Z1	
-	Evaluation of rapid traverse override switch			DOUBLE	PowerOn	
-						
-	31	0.00,0.01,0.02,0.04,0.06,0.08,0.10...	0.00	1.00	7/2	M

12060	OVR_SPIND_IS_GRAY_CODE			EXP, N10	V1,Z1	
-	Spindle override switch Gray-coded			BOOLEAN	PowerOn	
-						
-	-	TRUE	-	-	7/2	M

12070	OVR_FACTOR_SPIND_SPEED			EXP, N10	V1,Z1	
-	Evaluation of spindle override switch			DOUBLE	PowerOn	
-						
-	31	0.5,0.55,0.60,0.65,0.70,0.75,0.80...	0.00	2.00	7/2	M

12080	OVR_REFERENCE_IS_PROG_FEED			N10, N09	V1	
-	Override reference speed			BOOLEAN	PowerOn	
-						
-	-	TRUE	-	-	7/2	M

12082	OVR_REFERENCE_IS_MIN_FEED			N10, N09	V1	
-	Specification of the reference of the path override			BOOLEAN	PowerOn	
-						
-	-	FALSE	-	-	7/2	M

12090	OVR_FUNCTION_MASK			N01, N10, N09	-	
-	Selection of override specifications			DWORD	Reset	
-						
-	-	0	0	0x01	7/2	M

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12100	OVR_FACTOR_LIMIT_BIN			EXP, N10	V1,B1,Z1	
-	Limitation for binary-coded override switch			DOUBLE	PowerOn	
-						
-	-	1.2	0.0	2.0	7/2	M

12200	RUN_OVERRIDE_0			N01, N09	FBMA,V1,Z1	
-	Traversing response with override 0			BOOLEAN	PowerOn	
-						
-	-	FALSE	-	-	7/2	M

12202	PERMANENT_FEED			N01, N09	Z1,V1	
mm/min	Fixed feedrates for linear axes			DOUBLE	Reset	
-						
-	4	0.,0.,0.,0.	-	-	7/2	M

12204	PERMANENT_ROT_AX_FEED			N01, N09	V1	
rev/min	Fixed feedrates for rotary axes			DOUBLE	Reset	
-						
-	4	0.,0.,0.,0.	-	-	7/2	M

12205	PERMANENT_SPINDLE_FEED			N01, N09	FBMA	
rev/min	Fixed feedrates for spindles			DOUBLE	Reset	
-						
-	4	0.,0.,0.,0.	-	-	7/2	M

12300	CENTRAL_LUBRICATION			N01, N09	-	
-	Central lubrication active			BOOLEAN	PowerOn	
-						
-	-	FALSE	-	-	7/2	M

12510	NCU_LINKNO			N01	B3	
-	NCU number in an NCU cluster			DWORD	PowerOn	
-						
-	-	1	1	16	7/2	M

12520	LINK_TERMINATION			N01	B3	
-	NCU numbers for which bus termination resistances are activated			BYTE	PowerOn	
LINK						
-	2	0,1	0	15	3/2	M

12540	LINK_BAUDRATE_SWITCH			N01	B3	
-	Link bus baud rate			DWORD	PowerOn	
LINK						
-	-	9	0	9	3/2	M

12550	LINK_RETRY_CTR			N01	B3	
-	maximum number of message frame transmission retries			DWORD	PowerOn	
LINK						
-	-	4	1	15	3/2	M

12551	TIMEOUT_LINK_COMMUNICATION			EXP	-	
s	Wait time at start of link communication			DOUBLE	PowerOn	
-						
-	6	84.0,60.0, 9.0,60.0,0.0,0.0	0.0	1000.0	0/0	S

12552	LINK_LIFECYCLE_MAX_LOOP			EXP	-	
-	Maximum number of loops for synchronization of the link life cycle.			DWORD	PowerOn	
-						
-	-	5000	-	-	0/0	S

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12701	AXCT_AXCONF_ASSIGN_TAB1			N01	B3	
-	Assignment of an axis container location			STRING	PowerOn	
CTDE						
-	32		-	-	3/2	M

12702	AXCT_AXCONF_ASSIGN_TAB2			N01	B3	
-	Assignment of an axis container location			STRING	PowerOn	
CTDE						
-	32		-	-	3/2	M

12703	AXCT_AXCONF_ASSIGN_TAB3			N01	B3	
-	Assignment of an axis container location			STRING	PowerOn	
CTDE						
-	32		-	-	3/2	M

12704	AXCT_AXCONF_ASSIGN_TAB4			N01	B3	
-	Assignment of an axis container location			STRING	PowerOn	
CTDE						
-	32		-	-	3/2	M

12705	AXCT_AXCONF_ASSIGN_TAB5			N01	B3	
-	Assignment of an axis container location			STRING	PowerOn	
CTDE						
-	32		-	-	3/2	M

12706	AXCT_AXCONF_ASSIGN_TAB6			N01	B3	
-	Assignment of an axis container location			STRING	PowerOn	
CTDE						
-	32		-	-	3/2	M

12707	AXCT_AXCONF_ASSIGN_TAB7			N01	B3	
-	Assignment of an axis container location			STRING	PowerOn	
CTDE						
-	32		-	-	3/2	M

12708	AXCT_AXCONF_ASSIGN_TAB8			N01	B3	
-	Assignment of an axis container location			STRING	PowerOn	
CTDE						
-	32		-	-	3/2	M

12709	AXCT_AXCONF_ASSIGN_TAB9			N01	B3	
-	Assignment of an axis container location			STRING	PowerOn	
CTDE						
-	32		-	-	3/2	M

12710	AXCT_AXCONF_ASSIGN_TAB10			N01	B3	
-	Assignment of an axis container location			STRING	PowerOn	
CTDE						
-	32		-	-	3/2	M

12711	AXCT_AXCONF_ASSIGN_TAB11			N01	B3	
-	Assignment of an axis container location			STRING	PowerOn	
CTDE						
-	32		-	-	3/2	M

12712	AXCT_AXCONF_ASSIGN_TAB12			N01	B3	
-	Assignment of an axis container location			STRING	PowerOn	
CTDE						
-	32		-	-	3/2	M

12713	AXCT_AXCONF_ASSIGN_TAB13			N01	B3	
-	Assignment of an axis container location			STRING	PowerOn	
CTDE						
-	32		-	-	3/2	M

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12714	AXCT_AXCONF_ASSIGN_TAB14			N01	B3	
-	Assignment of an axis container location			STRING	PowerOn	
CTDE						
-	32		-	-	3/2	M

12715	AXCT_AXCONF_ASSIGN_TAB15			N01	B3	
-	Assignment of an axis container location			STRING	PowerOn	
CTDE						
-	32		-	-	3/2	M

12716	AXCT_AXCONF_ASSIGN_TAB16			N01	B3	
-	Assignment of an axis container location			STRING	PowerOn	
CTDE						
-	32		-	-	3/2	M

12750	AXCT_NAME_TAB			N01	B3	
-	Axis container identifier			STRING	PowerOn	
CTDE						
-	16	CT1,CT2,CT3,CT4,CT5,CT6...	-	-	1/1	M

12970	PLC_DIG_IN_LOGIC_ADDRESS			N10	-	
-	Logical start address of the digital PLC input address			DWORD	PowerOn	
-						
-	-	0	0	1023	0/0	S

12971	PLC_DIG_IN_NUM			N10	-	
-	Number of digital input addresses			DWORD	PowerOn	
-						
-	-	64	1	1023	0/0	S

12974	PLC_DIG_OUT_LOGIC_ADDRESS			N10	-	
-	Logical start address of the digital PLC output addresses			DWORD	PowerOn	
-						
-	-	0	0	1023	0/0	S

12975	PLC_DIG_OUT_NUM			N10	-	
-	Number of digital output addresses			DWORD	PowerOn	
-						
-	-	48	1	1023	0/0	S

12978	PLC_ANA_IN_LOGIC_ADDRESS			N10	-	
-	Logical start address of the analog PLC input addresses			DWORD	PowerOn	
-						
-	-	0	0	1023	0/0	S

12979	PLC_ANA_IN_NUM			N10	-	
-	Number of analog input addresses			DWORD	PowerOn	
-						
-	-	0	0	1023	0/0	S

12982	PLC_ANA_OUT_LOGIC_ADDRESS			N10	-	
-	Logical start address of the analog PLC output addresses			DWORD	PowerOn	
-						
-	-	0	0	1023	0/0	S

12983	PLC_ANA_OUT_NUM			N10	-	
-	Number of analog output addresses			DWORD	PowerOn	
-						
-	-	0	0	1023	0/0	S

12986	PLC_DEACT_IMAGE_LADDR_IN			N10	-	
-	Deactivation of I/O connection to the PLC image			DWORD	PowerOn	
-						
-	8	-1,-1,-1,-1,-1,-1,-1,-1	-1	8191	-1/1	M

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12987	PLC_DEACT_IMAGE_LADDR_OUT			N10	-	
-	Deactivation of I/O connection to the PLC image			DWORD	PowerOn	
-						
-	8	-1,-1,-1,-1,-1,-1,-1,-1	-1	8191	-1/1	M

13050	DRIVE_LOGIC_ADDRESS			N04, N10	G2	
-	Logical drive addresses			DWORD	PowerOn	
-						
-	31	4100,4140,4180,4220,4260,4300,4340...	258	8191	7/2	M

13060	DRIVE_TELEGRAM_TYPE			N04, N10	G2	
-	Standard message frame type for PROFIdrive			DWORD	PowerOn	
-						
-	31	116,116,116,116,116,116,116,116...	-	-	7/2	M

13070	DRIVE_FUNCTION_MASK			N04, N10	G2	
-	PROFIdrive expansion functions			DWORD	PowerOn	
-						
-	31	2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2...	-	-	7/2	M

13080	DRIVE_TYPE_DP			EXP	G2	
-	PROFIBUS/PROFINET drive type			BYTE	PowerOn	
-						
-	31	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0...	0	4	7/2	M

13110	PROFIBUS_TRACE_ADDRESS			EXP	-	
-	PROFIBUS/PROFINET trace of I/O slots			DWORD	NEW CONF	
-						
-	14	0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	2/2	M

13111	PROFIBUS_TRACE_TYPE			EXP	-	
-	PROFIBUS/PROFINET trace settings			DWORD	NEW CONF	
-						
-	-	0	0	3	2/2	M

13112	PROFIBUS_TRACE_FILE_SIZE			EXP	-	
-	Maximum trace file size in kbytes			DWORD	NEW CONF	
-						
-	-	40	-	-	2/2	M

13113	PROFIBUS_TRACE_START			EXP	-	
-	Activation of PROFIBUS/PROFINET trace			DWORD	Immediately	
-						
-	-	0	0	1	2/2	M

13114	PROFIBUS_TRACE_START_EVENT			EXP	-	
-	Trigger conditions for PROFIBUS/PROFINET trace			DWORD	NEW CONF	
-						
-	14	0,0,0,0,0,0,0,0,0,0,0,0,0,0	0x00000000	0x111fffff	2/2	M

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13120	CONTROL_UNIT_LOGIC_ADDRESS			N04, N10	-	
-	Logical address of SINAMICS CU			DWORD	PowerOn	
-						
710-6a2c	9	6500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	8191	7/2	M
710-31a10c	9	6500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	8191	7/2	M
710-31a10c6	9	6500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	8191	7/2	M
720-6a2c	13	6500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	8191	7/2	M
720-31a10c	13	6500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	8191	7/2	M
720-31a10c6	13	6500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	8191	7/2	M
730-6a2c	15	6500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	8191	7/2	M
730-31a10c	15	6500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	8191	7/2	M
730-31a10c6	15	6500,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	8191	7/2	M

13140	PROFIBUS_ALARM_ACCESS			N04, N10	-	
-	Alarm response of PROFIBUS/PROFINET drives on power up			DWORD	Immediately	
-						
-	-	1	0	2	2/7	M

13150	SINAMICS_ALARM_MASK			N04, N05	-	
-	Activate fault and warning buffer output for Sinamics			DWORD	Immediately	
-						
-	-	0x0909	-	-	7/2	M

13200	MEAS_PROBE_LOW_ACTIVE			N10, N09	M5	
-	Polarity reversal of sensor			BOOLEAN	PowerOn	
-						
-	2	FALSE,FALSE	-	-	7/2	M

13210	MEAS_TYPE			N10, N09	M5	
-	Meas. type with decentralized drives			BYTE	PowerOn	
-						
-	-	0	0	1	7/2	M

13211	MEAS_CENTRAL_SOURCE			N10, N09	-	
-	Data source central measurement with PROFIBUS/PROFINET drives			BYTE	PowerOn	
-						
-	-	3	1	3	0/0	S

13220	MEAS_PROBE_DELAY_TIME			N10, N09	FBA/IAD	
s	Delay time between probe deflection and recognition			DOUBLE	PowerOn	
-						
-	2	0.0,0.0	0	0.1	7/2	M

13230	MEAS_PROBE_SOURCE			N10, N09	-	
-	Probe simulation			BYTE	PowerOn	
-						
-	-	0	0	9	7/2	M

13231	MEAS_PROBE_OFFSET			N10, N09	-	
mm/inch, degrees	Probe offset			DOUBLE	Immediately	
-						
-	-	0.1	-	-	7/7	U

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13300	PROFISAFE_IN_FILTER			N01, N06, -	-	
-	Useful F data filter IN			DWORD	PowerOn	
-						
-	16	0xFFFFFFFF,0xFFFFFFFF,0xFFFFFFFF...	-	-	7/2	M

13301	PROFISAFE_OUT_FILTER			N01, N06, -	-	
-	Useful F data filter OUT			DWORD	PowerOn	
-						
-	16	0xFFFFFFFF,0xFFFFFFFF,0xFFFFFFFF...	-	-	7/2	M

13302	PROFISAFE_IN_ENABLE_MASK			N01, N06, -	-	
-	Enable mask for connections to PROFIsafe input modules.			DWORD	PowerOn	
-						
-	-	0x0	0x0	0xFFFF	7/2	M

13303	PROFISAFE_OUT_ENABLE_MASK			N01, N06, -	-	
-	Enable mask for connections to PROFIsafe output modules.			DWORD	PowerOn	
-						
-	-	0x0	0x0	0xFFFF	7/2	M

13304	PROFISAFE_IN_SUBS_ENAB_MASK			N01, N06, -	-	
-	Activation of substitute value output for PROFIsafe input modules			DWORD	PowerOn	
-						
-	-	0x0	0x0	0xFFFF	7/2	M

13305	PROFISAFE_IN_SUBS			N01, N06, -	-	
-	Substitute values for passive connections to PROFIsafe input modules			DWORD	PowerOn	
-						
-	16	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0x0	0xFFFFFFFF	7/2	M

13310	SAFE_SPL_START_TIMEOUT			N01, N05, -	FBSI	
s	Delay in display of alarm 27097			DOUBLE	PowerOn	
-						
-	-	20.	1.	60.	7/2	M

13312	SAFE_SPL_USER_DATA			N01, N06, -	FBSI	
-	User data			DWORD	PowerOn	
SFCO						
-	4	0x0,0x0,0x0,0x0	-	-	7/2	M

13316	SAFE_GLOB_CFG_CHANGE_DATE			EXP, N01, N06, -	FBSI	
-	Date/time of last change of SI-NCK MD			STRING	PowerOn	
-						
-	7		-	-	7/RO	S

13317	SAFE_GLOB_PREV_CONFIG			EXP, N01, N06, -	FBSI	
-	Data of previous safety configuration			DWORD	PowerOn	
-						
-	11	0,0,0,0,0,0,0,0,0,0,0	-	-	0/RO	S

13318	SAFE_GLOB_ACT_CHECKSUM			EXP, N01, N06, -	FBSI	
-	Actual checksum NCK			DWORD	PowerOn	
-						
-	4	0,0,0,0	-	-	7/RO	S

13319	SAFE_GLOB_DES_CHECKSUM			EXP, N01, N06, -	FBSI	
-	Desired (expected) checksum			DWORD	PowerOn	
-						
-	4	0,0,0,0	-	-	7/1	M

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13320	SAFE_SRDP_IPO_TIME_RATIO			N01, N06, -	FBSI	
-	Factor F_DP communication cycle			DWORD	PowerOn	
SFCO						
-	-	10	1	65535	7/2	M

13322	INFO_SAFE_SRDP_CYCLE_TIME			N01, N06, N05, -	FBSI	
s	Maximum F_DP communication cycle			DOUBLE	PowerOn	
-						
-	-	0.0	-	-	7/RO	S

13330	SAFE_SDP_ENABLE_MASK			N01, N06, -	FBSI	
-	Enable screen F_SENDDP communication relationships			DWORD	PowerOn	
-						
-	-	0x0	0x0	0xFFF	7/2	M

13331	SAFE_SDP_ID			N01, N06, -	FBSI	
-	ID for F_SENDDP communication relationship			DWORD	PowerOn	
-						
-	12	0,0,0,0,0,0,0,0,0,0,0,0	-32768	32767	7/2	M

13332	SAFE_SDP_NAME			N01, N06, -	FBSI	
-	Name of SPL connection			STRING	PowerOn	
-						
-	12		-	-	7/2	M

13333	SAFE_SDP_CONNECTION_NR			N01, N06, -	FBSI	
-	Number of SPL connection			BYTE	PowerOn	
-						
-	12	0,0,0,0,0,0,0,0,0,0,0,0	0	3	7/2	M

13334	SAFE_SDP_LADDR			N01, N06, -	FBSI	
-	Basic address of the input/output data range F_SENDDP			DWORD	PowerOn	
-						
-	12	288,288,288,288,288,2 88,288,288,288...	288	32767	7/2	M

13335	SAFE_SDP_TIMEOUT			N01, N06, -	FBSI	
s	Monitoring time F_SENDDP			DOUBLE	PowerOn	
-						
-	12	0.5,0.5,0.5,0.5,0.5,0.5,0 .5,0.5,0.5...	0.0	60.0	7/2	M

13336	SAFE_SDP_ASSIGN			N01, N06, -	FBSI	
-	Output assignment.$A_OUTSE to F_SENDDP user data			DWORD	PowerOn	
-						
-	12	0,0,0,0,0,0,0,0,0,0,0,0	0	64064	7/2	M

13337	SAFE_SDP_FILTER			N01, N06, -	FBSI	
-	F user data filter between $A_OUTSE and F_SENDDP			DWORD	PowerOn	
-						
-	12	0xFFFF,0xFFFF,0xFFF F,0xFFFF,0xFFFF...	0x0	0xFFFF	7/2	M

13338	SAFE_SDP_ERR_REAC			N01, N06, -	FBSI	
-	Fault reaction			DWORD	PowerOn	
-						
-	12	0,0,0,0,0,0,0,0,0,0,0,0	0	3	7/2	M

13340	SAFE_RDP_ENABLE_MASK			N01, N06, -	FBSI	
-	Enable screen F_RECVDP communication relationships			DWORD	PowerOn	
-						
-	-	0x0	0x0	0xFFF	7/2	M

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13341	SAFE_RDP_ID			N01, N06, -	FBSI	
-	ID for F_RECVDP communication relationships			DWORD	PowerOn	
-						
-	12	0,0,0,0,0,0,0,0,0,0,0,0	-32768	32767	7/2	M

13342	SAFE_RDP_NAME			N01, N06, -	FBSI	
-	Name of SPL connection			STRING	PowerOn	
-						
-	12		-	-	7/2	M

13343	SAFE_RDP_CONNECTION_NR			N01, N06, -	FBSI	
-	Assignment SPL connection to system variables			BYTE	PowerOn	
-						
-	12	0,0,0,0,0,0,0,0,0,0,0,0	0	3	7/2	M

13344	SAFE_RDP_LADDR			N01, N06, -	FBSI	
-	Basic address of the input/output data range F_RECVDP			DWORD	PowerOn	
-						
-	12	288,288,288,288,288,288,288,288,288,288...	288	32767	7/2	M

13345	SAFE_RDP_TIMEOUT			N01, N06, -	FBSI	
s	Monitoring time F_RECVDP			DOUBLE	PowerOn	
-						
-	12	0.5,0.5,0.5,0.5,0.5,0.5,0.5,0.5,0.5,0.5...	0.0	60.0	7/2	M

13346	SAFE_RDP_ASSIGN			N01, N06, -	FBSI	
-	Input assignment. F_RECVDP user data to $A_INSE			DWORD	PowerOn	
-						
-	12	0,0,0,0,0,0,0,0,0,0,0,0	0	64064	7/2	M

13347	SAFE_RDP_FILTER			N01, N06, -	FBSI	
-	F user data filter between F_RECVDP and $A_INSE			DWORD	PowerOn	
-						
-	12	0xFFFF,0xFFFF,0xFFFF,0xFFFF,0xFFFF,0xFFFF...	0x0	0xFFFF	7/2	M

13348	SAFE_RDP_ERR_REAC			N01, N06, -	FBSI	
-	Fault reaction			DWORD	PowerOn	
-						
-	12	0,0,0,0,0,0,0,0,0,0,0,0	0	3	7/2	M

13349	SAFE_RDP_SUBS			N01, N06, -	FBSI	
-	Replacement values in case of error			DWORD	PowerOn	
-						
-	12	0,0,0,0,0,0,0,0,0,0,0,0	0	0xFFFF	7/2	M

14000	ENC_SSI_BAUD_RATE			N01, N10, EXP, N09	-	
-	Baud rate for SSI absolute value encoder			BYTE	PowerOn	
-						
-	-	0	0	4	-1/7	U

14504	MAXNUM_USER_DATA_INT			N03	P3	
-	Number of user data (INT)			DWORD	PowerOn	
-						
-	-	0	0	256	7/2	M

14506	MAXNUM_USER_DATA_HEX			N03	P3	
-	Number of user data (HEX)			DWORD	PowerOn	
-						
-	-	0	0	256	7/2	M

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14508	MAXNUM_USER_DATA_FLOAT			N03	P3	
-	Number of user data (FLOAT)			DWORD	PowerOn	
-						
-	-	0	0	32	7/2	M

14510	USER_DATA_INT			N03	P3	
-	User data (INT)			DWORD	PowerOn	
-						
-	256	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0...	-32768	32767	7/2	I

14512	USER_DATA_HEX			N03	P3	
-	User data (HEX)			DWORD	PowerOn	
-						
-	256	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0...	0	0x0FF	7/2	I

14514	USER_DATA_FLOAT			N03	P3	
-	User data (FLOAT)			DOUBLE	PowerOn	
-						
-	32	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	-3.40e38	3.40e38	7/2	I

14516	USER_DATA_PLC_ALARM			N03	A2,P3	
-	User data (HEX)			BYTE	PowerOn	
-						
-	248	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0...	-	-	0/0	S

15700	LANG_SUB_NAME			N01	K1	
-	Name for substitution subroutine			STRING	PowerOn	
-						
-	-		-	-	7/2	M

15702	LANG_SUB_PATH			N01	K1	
-	Call path for substitution subroutine			BYTE	PowerOn	
-						
-	-	0	0	2	7/2	M

17200	GMMC_INFO_NO_UNIT			EXP	K1	
-	Global HMI information (without physical unit)			DOUBLE	PowerOn	
-						
-	16	3.,4.,3.,1.,0.,0.,0.,0.,0.,0.,0.,0.,0....	-	-	0/7	S

17201	GMMC_INFO_NO_UNIT_STATUS			EXP	K1	
-	Global HMI status info (without physical unit)			BYTE	PowerOn	
-						
-	16	1,1,1,1,0,0,0,0,0,0,0,0,0,0,0,0	-	-	0/7	S

17400	OEM_GLOBAL_INFO			A01, A11	-	
-	OEM version information			STRING	PowerOn	
-						
-	5		-	-	7/2	M

17500	MAXNUM_REPLACEMENT_TOOLS			N09	FBW	
-	Maximal number of replacement tools.			DWORD	PowerOn	
-						
-	-	0	0	32	7/2	M

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17510	TOOL_UNLOAD_MASK			N09	FBW	
-	Behavior of tool data when unloading			DWORD	PowerOn	
-						
-	-	0	0	0xF	7/2	M

17515	TOOL_RESETMON_MASK			N09	-	
-	Tool data behavior with RESETMON			DWORD	PowerOn	
-						
-	-	0x14	0	0x49F	7/2	M

17520	TOOL_DEFAULT_DATA_MASK			N09	FBW	
-	Create new tool: default settings			DWORD	PowerOn	
-						
-	-	0	0	0x1F	7/2	M

17530	TOOL_DATA_CHANGE_COUNTER			EXP, N01	FBW	
-	Mark tool data change for HMI			DWORD	PowerOn	
-						
-	-	0x1F	0	0x1F	7/2	M

17540	TOOLTYPES_ALLOWED			N09	-	
-	Permitted tool types			DWORD	PowerOn	
-						
-	-	0x3FF	0	0x3FF	7/2	M

17600	DEPTH_OF_LOGFILE_OPT			EXP, N01	-	
-	Depth of log memory optimization in REORG			DWORD	Reset	
-						
-	-	5	0	300	3/3	M

17610	DEPTH_OF_LOGFILE_OPT_PF			EXP, N01	-	
-	Depth of the PowerFail log memory optimization			DWORD	Reset	
-						
-	3	10,0,0	0	300	1/1	M

17900	VDI_FUNCTION_MASK			EXP, N09	H1	
-	Setting to VDI signals			DWORD	PowerOn	
-						
-	-	0x0	0	0x1	7/2	M

2.3.3 System specific memory settings

18000	VDI_UPDATE_IN_ONE_IPO_CYCLE			EXP, N01	P3	
-	PLC interface update			BOOLEAN	PowerOn	
-						
-	-	FALSE	-	-	0/0	S

18030	HW_SERIAL_NUMBER			N05	-	
-	Hardware series number			STRING	PowerOn	
-						
-	1		-	-	7/RO	M

18040	VERSION_INFO			N05	IAD	
-	Version and possibly data of the PCMCIA card, not FM-NC			STRING	PowerOn	
-						

18050	INFO_FREE_MEM_DYNAMIC			N01, N02, N05	S7	
-	Display data of free dynamic memory			DWORD	PowerOn	
-						
-	-	1048576	-	-	7/RO	M

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18060	INFO_FREE_MEM_STATIC			N01, N02, N05	S7	
-	Display data of free static memory			DWORD	PowerOn	
-						
-	-	2097152	-	-	7/RO	M

18070	INFO_FREE_MEM_DPR			EXP, N01, N02, N05	S7	
-	Display data of free memory in DUAL PORT RAM			DWORD	PowerOn	
-						
-	-	0	-	-	7/RO	M

18072	INFO_FREE_MEM_CC_MD			EXP, N01, N05	-	
-	Display of free memory in CC-MD memory			DWORD	PowerOn	
-						
-	-	0	-	-	0/RO	S

18074	MM_TOOL_MANAGEMENT_TRACE_SZ			N02, N09	/FBW/, "Description of Functions, Tool Management"	
-	Max. size of the tool management diagnostic ring buffers			DWORD	PowerOn	
-						
-	2	25,25	4	500	7/2	M

18075	MM_NUM_TOOLHOLDERS			N02, N09	/FBW/, "Description of Functions, Tool Management"	
-	Max. number of tool holders per TOA			DWORD	PowerOn	
-						
-	-	16	1	128	7/2	M

18076	MM_NUM_LOCS_WITH_DISTANCE			N02, N09	/FBW/, "Description of Functions, Tool Management"	
-	Max. number of magazine locations per TOA with remote connection			DWORD	PowerOn	
-						
-	-	32	1	128	7/2	M

18077	MM_NUM_DIST_REL_PER_MAGLOC			N02, N09	/FBW/, "Description of Functions, Tool Management"	
-	Max. no. of magazines in the distance table of a magazine loc.			DWORD	PowerOn	
-						
-	-	SLMDMAXLINKEDMAGAZINES	0	32	7/2	M

18078	MM_MAX_NUM_OF_HIERARCHIES			N02, N09	/FBW/, "Description of Functions, Tool Management"	
-	The maximum number of hierarchies for magazine location types			DWORD	PowerOn	
-						
-	-	8	0	32	7/2	M

18079	MM_MAX_HIERARCHY_ENTRIES			N02, N09	/FBW/, "Description of Functions, Tool Management"	
-	The max. number of entries in a mag. location type hierarchy.			DWORD	PowerOn	
-						
-	-	8	1	32	7/2	M

18080	MM_TOOL_MANAGEMENT_MASK			N02, N09	K1,W1	
-	Step-by-step memory reservation for tool management (SRAM)			DWORD	PowerOn	
-						
-	-	0x0	0	0xFFFF	7/1	S

18082	MM_NUM_TOOL			N02, N09	FBW,S7	
-	Number of tools the NCK can manage (SRAM)			DWORD	PowerOn	
-						
-	-	30	0	1500	7/2	M

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18084	MM_NUM_MAGAZINE			N02, N09	FBW	
-	Number of magazines the NCK can manage (SRAM)			DWORD	PowerOn	
-						
-	-	3	0	32	7/2	M

18086	MM_NUM_MAGAZINE_LOCATION			N02, N09	FBW	
-	Number of magazine locations the NCK can manage (SRAM)			DWORD	PowerOn	
-						
-	-	30	0	600	7/2	M

18088	MM_NUM_TOOL_CARRIER			N02, N09	W1	
-	Maximum number of definable tool holders			DWORD	PowerOn	
-						
-	-	0	0	600	7/2	M

18090	MM_NUM_CC_MAGAZINE_PARAM			N02, N09	FBW	
-	Number of magazine data generated and evaluated by the CC (SRAM)			DWORD	PowerOn	
-						
-	-	0	0	10	2/2	M

18091	MM_TYPE_CC_MAGAZINE_PARAM			N02, N09	-	
-	Type of OEM magazine data (SRAM)			DWORD	PowerOn	
-						
-	10	3,3,3,3,3,3,3,3,3,3	1	6	2/2	M

18092	MM_NUM_CC_MAGLOC_PARAM			N02, N09	FBW	
-	Number of OEM magazine location data			DWORD	PowerOn	
-						
-	-	0	0	10	2/2	M

18093	MM_TYPE_CC_MAGLOC_PARAM			N02, N09	-	
-	Type of OEM magazine location data (SRAM)			DWORD	PowerOn	
-						
-	10	3,3,3,3,3,3,3,3,3,3	1	6	2/2	M

18094	MM_NUM_CC_TDA_PARAM			N02, N09	H2	
-	Number of OEM tool data (SRAM)			DWORD	PowerOn	
-						
-	-	0	0	10	2/2	M

18095	MM_TYPE_CC_TDA_PARAM			N02, N09	-	
-	Type of OEM tool data (SRAM)			DWORD	PowerOn	
-						
-	10	4,4,4,4,4,4,4,4,4,4	1	6	2/2	M

18096	MM_NUM_CC_TOA_PARAM			N02, N09	G2	
-	Number of data per tool edge for compile cycles (SRAM)			DWORD	PowerOn	
-						
-	-	0	0	10	2/2	M

18097	MM_TYPE_CC_TOA_PARAM			N02, N09	-	
-	Type of OEM data per cutting edge (SRAM)			DWORD	PowerOn	
-						
-	10	4,4,4,4,4,4,4,4,4,4	1	6	2/2	M

18098	MM_NUM_CC_MON_PARAM			N02, N09	FBW	
-	Number of monitoring data per tool for compile cycles			DWORD	PowerOn	
-						
-	-	0	0	10	2/2	M

18099	MM_TYPE_CC_MON_PARAM			N02, N09	FBW	
-	Type of OEM monitor data (SRAM)			DWORD	PowerOn	
-						
-	10	3,3,3,3,3,3,3,3,3,3	1	6	2/2	M

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18100	MM_NUM_CUTTING_EDGES_IN_TOA			N02, N09	W1	
-	Tool offsets in the TO range (SRAM)			DWORD	PowerOn	
-						
-	-	30	0	1500	7/2	M

18102	MM_TYPE_OF_CUTTING_EDGE			N02, N09	W1	
-	Type of D No. programming (SRAM)			DWORD	PowerOn	
-						
-	-	0	0	1	7/2	M

18104	MM_NUM_TOOL_ADAPTER			N02, N09	W1	
-	Tool adapters in TO area (SRAM)			DWORD	PowerOn	
-						
-	-	-1	-1	600	7/2	M

18105	MM_MAX_CUTTING_EDGE_NO			N02, N09	W1	
-	maximum value of D number			DWORD	PowerOn	
-						
-	-	9	1	32000	7/2	M

18106	MM_MAX_CUTTING_EDGE_PERTOOL			N02, N09	W1	
-	maximum number of D numbers per tool			DWORD	PowerOn	
-						
-	-	9	1	12	7/2	M

18108	MM_NUM_SUMCORR			N02, N09	W1	
-	Resulting offsets in TO area (SRAM)			DWORD	PowerOn	
-						
-	-	-1	-1	9000	7/2	M

18110	MM_MAX_SUMCORR_PER_CUTTEDGE			N02, N09	S7	
-	Max. number of additive offsets per edge (SRAM)			DWORD	PowerOn	
-						
-	-	1	1	6	7/2	M

18112	MM_KIND_OF_SUMCORR			N02, N09	W1	
-	Properties of resulting offsets in TO area (SRAM)			DWORD	PowerOn	
-						
-	-	0	0	0x1F	7/2	M

18114	MM_ENABLE_TOOL_ORIENT			N02, N09	W1, F2	
-	Assign tool cutting edge orientation			DWORD	PowerOn	
-						
-	-	0	0	3	7/2	M

18116	MM_NUM_TOOL_ENV			N02, N09	W1	
-	Number of tool environments in the TO area (SRAM)			DWORD	PowerOn	
-						
-	-	0	0	600	7/2	M

18118	MM_NUM_GUD_MODULES			N02	S7	
-	Number of GUD files in active file system (SRAM)			DWORD	PowerOn	
-						
-	-	7	1	9	7/2	M

18120	MM_NUM_GUD_NAMES_NCK			N02	S7	
-	Number of global user variable names (SRAM)			DWORD	PowerOn	
-						
-	-	50	0	32000	7/2	M

18130	MM_NUM_GUD_NAMES_CHAN			N02	S7	
-	Number of channel-specific user variable names (SRAM)			DWORD	PowerOn	
-						
-	-	350	350	32000	7/2	M

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18150	MM_GUD_VALUES_MEM			N02	A2	
-	Memory location for global user variable values (SRAM)			DWORD	PowerOn	
-						
-	-	128	128	32000	7/2	M

18160	MM_NUM_USER_MACROS			N02	S7	
-	Number of macros (DRAM)			DWORD	PowerOn	
-						
-	-	60	60	32000	7/2	M

18170	MM_NUM_MAX_FUNC_NAMES			N02	V2,A2	
-	Number of miscellaneous functions (cycles, DRAM)			DWORD	PowerOn	
-						
-	-	350	350	32000	7/2	M

18180	MM_NUM_MAX_FUNC_PARAM			N02	V2	
-	Number of additional parameters for cycles according to MD 18170			DWORD	PowerOn	
-						
-	-	5000	5000	32000	7/2	M

18190	MM_NUM_PROTECT_AREA_NCK			N12, N02, N06, N09	A3	
-	Number of files for machine-related protection zones (SRAM)			DWORD	PowerOn	
-						
-	-	0	0	10	7/2	M

18200	MM_NUM_CCS_MAGAZINE_PARAM			N02, N09	FBW	
-	Number of Siemens OEM magazine data (SRAM)			DWORD	PowerOn	
-						
-	-	0	0	10	2/2	M

18201	MM_TYPE_CCS_MAGAZINE_PARAM			N02, N09	FBW	
-	Type of Siemens OEM magazine data (SRAM)			DWORD	PowerOn	
-						
-	10	3,3,3,3,3,3,3,3,3,3	1	6	2/2	M

18202	MM_NUM_CCS_MAGLOC_PARAM			N02, N09	FBW	
-	No. of Siemens OEM magazine location data (SRAM)			DWORD	PowerOn	
-						
-	-	0	0	10	2/2	M

18203	MM_TYPE_CCS_MAGLOC_PARAM			N02, N09	FBW	
-	Type of Siemens OEM magazine location data (SRAM)			DWORD	PowerOn	
-						
-	10	3,3,3,3,3,3,3,3,3,3	1	6	2/2	M

18204	MM_NUM_CCS_TDA_PARAM			N02, N09	FBW	
-	Number of Siemens OEM tool data (SRAM)			DWORD	PowerOn	
-						
-	-	0	0	10	2/2	M

18205	MM_TYPE_CCS_TDA_PARAM			N02, N09	FBW	
-	Type of Siemens OEM tool data (SRAM)			DWORD	PowerOn	
-						
-	10	4,4,4,4,4,4,4,4,4,4	1	6	2/2	M

18206	MM_NUM_CCS_TOA_PARAM			N02, N09	FBW	
-	No. of Siemens OEM data per cutting edge (SRAM)			DWORD	PowerOn	
-						
-	-	0	0	10	2/2	M

18207	MM_TYPE_CCS_TOA_PARAM			N02, N09	FBW	
-	Type of Siemens OEM data per cutting edge (SRAM)			DWORD	PowerOn	
-						
-	10	4,4,4,4,4,4,4,4,4,4	1	6	2/2	M

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18208	MM_NUM_CCS_MON_PARAM			N02, N09	FBW	
-	No. of Siemens OEM monitor data (SRAM)			DWORD	PowerOn	
-						
-	-	0	0	10	2/2	M

18209	MM_TYPE_CCS_MON_PARAM			N02, N09	FBW	
-	Type of Siemens OEM monitor data (SRAM)			DWORD	PowerOn	
-						
-	10	3,3,3,3,3,3,3,3,3,3	1	6	2/2	M

18210	MM_USER_MEM_DYNAMIC			EXP, N02	S7	
-	User memory in DRAM [KB]			DWORD	PowerOn	
-						
-	-	9000	0	98304	7/2	M

18220	MM_USER_MEM_DPR			EXP, N02	-	
-	User memory in DUAL PORT RAM (DPR)			DWORD	PowerOn	
-						
-	-	0	-	-	0/0	S

18230	MM_USER_MEM_BUFFERED			N02	S7	
-	User memory in SRAM			DWORD	PowerOn	
-						
710-6a2c	-	0	0	15500	7/1	M
710-31a10c	-	0	0	15500	7/1	M
710-31a10c6	-	0	0	15500	7/1	M
720-6a2c	-	0	0	22200	7/1	M
720-31a10c	-	0	0	22200	7/1	M
720-31a10c6	-	0	0	22200	7/1	M
730-6a2c	-	0	0	22200	7/1	M
730-31a10c	-	0	0	22200	7/1	M
730-31a10c6	-	0	0	22200	7/1	M

18231	MM_USER_MEM_BUFFERED_TYPEOF			N02	-	
-	Technology for data buffering			DWORD	PowerOn	
-						
-	3	1,1,1	0	1	0/RO	S

18232	MM_ACTFILESYS_LOG_FILE_MEM			N02	-	
-	System: logfile size in SRAM [KB]			DWORD	PowerOn	
-						
-	3	200,10,30	0	32000	0/0	S

18233	IS_CONTINOUS_DATA_SAVE_ON			EXP, N02	-	
-	System: Automatic saving of persistent data			BOOLEAN	PowerOn	
-						
-	3	TRUE,TRUE,TRUE	-	-	7/2	M

18235	MM_INCOA_MEM_SIZE			EXP	-	
-	Size of the DRAM memory for INCOA applications [Kbyte]			DWORD	PowerOn	
-						
-	-	20480	0	25600	7/2	M

18237	MM_CYC_DATA_MEM_SIZE			EXP, N02	-	
-	Cycle/display setting data in SRAM [kB]			DWORD	PowerOn	
-						
-	-	0	0	96	7/RO	M

18238	MM_CC_MD_MEM_SIZE			N02	TE01	
-	Compile cycle machine data in SRAM [kB]			DWORD	PowerOn	
-						
-	-	1	1	32000	-1/1	M

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18240	MM_LUD_HASH_TABLE_SIZE			EXP, N02	S7	
-	Hash table size for LUD (DRAM)			DWORD	PowerOn	
-						
-	-	37	11	107	0/0	S

18242	MM_MAX_SIZE_OF_LUD_VALUE			N02	V2	
-	Maximum memory block size for LUD/GUD values			DWORD	PowerOn	
-						
-	-	920	920	SLMAXVARBYTES	0/0	S

18250	MM_CHAN_HASH_TABLE_SIZE			EXP, N02	S7	
-	Hash table size for channel-specific data (DRAM)			DWORD	PowerOn	
-						
-	-	23	3	193	0/0	S

18260	MM_NCK_HASH_TABLE_SIZE			EXP, N02	S7	
-	Hash table size for global data (DRAM)			DWORD	PowerOn	
-						
-	-	4001	537	4327	0/0	S

18270	MM_NUM_SUBDIR_PER_DIR			N02	S7	
-	Number of subdirectories (DRAM)			DWORD	PowerOn	
-						
-	-	MD_MAXNUM_DIR_IN_FILESYSTEM	-	-	7/RO	M

18280	MM_NUM_FILES_PER_DIR			N02	S7	
-	Number of files per directory (DRAM)			DWORD	PowerOn	
-						
-	-	MD_MAXNUM_FILES_PER_DIR	-	-	7/RO	M

18290	MM_FILE_HASH_TABLE_SIZE			EXP, N02	S7	
-	Hash table size for files of a directory (SRAM)			DWORD	PowerOn	
-						
-	-	47	3	299	0/0	S

18300	MM_DIR_HASH_TABLE_SIZE			EXP, N02	S7	
-	Hash table size for subdirectories (SRAM)			DWORD	PowerOn	
-						
-	-	11	3	349	0/0	S

18310	MM_NUM_DIR_IN_FILESYSTEM			N02	S7	
-	Number of directories in passive file system (SRAM)			DWORD	PowerOn	
-						
-	-	30	30	256	7/2	M

18320	MM_NUM_FILES_IN_FILESYSTEM			N02	S7	
-	Number of files in passive file system (SRAM)			DWORD	PowerOn	
-						
-	-	750	64	1000	7/2	M

18321	MM_NUM_SYSTEM_FILES_IN_FS			N02	-	
-	Number of system files			DWORD	PowerOn	
-						
-	-	400	300	1000	1/1	M

18332	MM_FLASH_FILE_SYSTEM_SIZE			N01, N02	IAD	
-	Size of FFS			DWORD	PowerOn	
-						
-	-	0	0	4096	7/1	M

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18342	MM_CEC_MAX_POINTS			N01, N02	K3	
-	max. number of interpolation points on sag compensation (SRAM)			DWORD	PowerOn	
-						
-	62	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0...	0	2000	7/2	M

18350	MM_USER_FILE_MEM_MINIMUM			EXP, N02	S7	
-	minimum part program memory (SRAM)			DWORD	PowerOn	
-						
-	-	0	0	0	0/0	S

18351	MM_DRAM_FILE_MEM_SIZE			EXP, N02	TE7,V2,M5,S7	
-	Size of part program memory (DRAM)			DWORD	PowerOn	
-						
-	-	0	0	32768	0/0	M

18352	MM_U_FILE_MEM_SIZE			EXP, N02	S7	
-	End user memory for part programs/cycles/files			DWORD	PowerOn	
-						
710-6a2c	3	2560,0,0	0	9216	2/2	M
710-31a10c	3	2560,0,0	0	9216	2/2	M
710-31a10c6	3	2560,0,0	0	9216	2/2	M
720-6a2c	3	2560,0,0	0	15360	2/2	M
720-31a10c	3	2560,0,0	0	15360	2/2	M
720-31a10c6	3	2560,0,0	0	15360	2/2	M
730-6a2c	3	2560,0,0	0	15360	2/2	M
730-31a10c	3	2560,0,0	0	15360	2/2	M
730-31a10c6	3	2560,0,0	0	15360	2/2	M

18353	MM_M_FILE_MEM_SIZE			EXP, N02	S7	
-	Memory capacity for machine manufacturer's cycles/files			DWORD	PowerOn	
-						
710-6a2c	3	512,0,0	0	9216	1/1	M
710-31a10c	3	512,0,0	0	9216	1/1	M
710-31a10c6	3	512,0,0	0	9216	1/1	M
720-6a2c	3	512,0,0	0	15360	1/1	M
720-31a10c	3	512,0,0	0	15360	1/1	M
720-31a10c6	3	512,0,0	0	15360	1/1	M
730-6a2c	3	512,0,0	0	15360	1/1	M
730-31a10c	3	512,0,0	0	15360	1/1	M
730-31a10c6	3	512,0,0	0	15360	1/1	M

18354	MM_S_FILE_MEM_SIZE			EXP, N02	-	
-	Memory capacity for NC manufacturer's cycles/files			DWORD	PowerOn	
-						
-	3	3072,0,100	0	3072	0/0	S

18355	MM_T_FILE_MEM_SIZE			EXP, N02	-	
-	Memory size for temporary files			DWORD	PowerOn	
-						
-	-	4096	4096	-	7/2	M

18356	MM_E_FILE_MEM_SIZE			EXP, N02	-	
-	Memory size for the clipboard of external files			DWORD	PowerOn	
-						
710-6a2c	3	512,0,0	0	9216	0/0	M
710-31a10c	3	512,0,0	0	9216	0/0	M
710-31a10c6	3	512,0,0	0	9216	0/0	M
720-6a2c	3	512,0,0	0	15360	0/0	M
720-31a10c	3	512,0,0	0	15360	0/0	M
720-31a10c6	3	512,0,0	0	15360	0/0	M
730-6a2c	3	512,0,0	0	15360	0/0	M
730-31a10c	3	512,0,0	0	15360	0/0	M
730-31a10c6	3	512,0,0	0	15360	0/0	M

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18360	MM_EXT_PROG_BUFFER_SIZE			N01	B1,K1	
-	FIFO buffer size for processing from external source (DRAM)			DWORD	PowerOn	
-						
-	-	50	30	1000000	7/2	M

18362	MM_EXT_PROG_NUM			N01	K1	
-	Number of program levels which can be simultaneously processed			BYTE	PowerOn	
-						
-	-	1	0	13	7/2	M

18370	MM_PROTOC_NUM_FILES			N02	D1,OEM	
-	Max.no. of log files in passive file system			DWORD	PowerOn	
-						
-	10	2,0,0,0,0,2,2,2,0,3	0	10	1/1	M

18371	MM_PROTOC_NUM_ETPD_STD_LIST			N02	D1,OEM	
-	Number of standard data lists ETPD.			DWORD	PowerOn	
-						
-	10	25,0,0,0,0,25,25,25,0,3	0	25	1/1	M

18372	MM_PROTOC_NUM_ETPD_OEM_LIST			N02	D1,OEM	
-	Number of OEM data lists ETPD.			DWORD	PowerOn	
-						
-	10	0,0,0,0,0,0,0,0,0,0	0	20	1/1	M

18373	MM_PROTOC_NUM_SERVO_DATA			N02	D1	
-	Number of servo data for log			DWORD	PowerOn	
-						
-	10	0,0,0,0,0,10,10,10,0,0	0	20	1/1	M

18374	MM_PROTOC_FILE_BUFFER_SIZE			N02	-	
-	Size of log file buffer			DWORD	PowerOn	
-						
-	10	8000,8000,8000,8000,8000,8000,8000...	5000	-	1/1	M

18375	MM_PROTOC_SESS_ENAB_USER			N02	-	
-	Users enabled for sessions			BYTE	PowerOn	
-						
-	10	0,0,0,0,0,1,1,1,0,0	0	1	1/1	M

18390	MM_COM_COMPRESS_METHOD			EXP, N01, N02	-	
-	Supported compression methods.			DWORD	PowerOn	
-						
-	-	0x01	-	-	2/2	M

18391	TRACE_PATHNAME			EXP	-	
-	Path for trace generation			STRING	PowerOn	
NBUP						
-	-		-	-	1/1	M

18392	TRACE_SAVE_OLD_FILE			EXP	-	
-	Old trace files are retained			BOOLEAN	PowerOn	
NBUP						
-	-	FALSE	-	-	1/1	M

18400	MM_NUM_CURVE_TABS			N02, N09	M3	
-	Number of curve tables (SRAM)			DWORD	PowerOn	
-						
-	-	0	0	INT_MAX	1/1	M

18402	MM_NUM_CURVE_SEGMENTS			N02, N09	M3,B3	
-	Number of curve segments (SRAM)			DWORD	PowerOn	
-						
-	-	0	0	INT_MAX	1/1	M

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18403	MM_NUM_CURVE_SEG_LIN			N02, N09	M3	
-	Number of linear curve segments (SRAM)			DWORD	PowerOn	
-						
-	-	0	0	INT_MAX	1/1	M

18404	MM_NUM_CURVE_POLYNOMS			N02, N09	M3,B3	
-	Number of curve table polynomials (SRAM)			DWORD	PowerOn	
-						
-	-	0	0	INT_MAX	1/1	M

18406	MM_NUM_CURVE_TABS_DRAM			N02, N09	M3	
-	Number of curve tables (DRAM)			DWORD	PowerOn	
-						
-	-	0	0	INT_MAX	1/1	M

18408	MM_NUM_CURVE_SEGMENTS_DRAM			N02, N09	M3	
-	Number of curve segments (DRAM)			DWORD	PowerOn	
-						
-	-	0	0	INT_MAX	1/1	M

18409	MM_NUM_CURVE_SEG_LIN_DRAM			N02, N09	M3	
-	Number of linear curve segments (DRAM)			DWORD	PowerOn	
-						
-	-	0	0	INT_MAX	1/1	M

18410	MM_NUM_CURVE_POLYNOMS_DRAM			N02, N09	M3	
-	Number of curve table polynomials (DRAM)			DWORD	PowerOn	
-						
-	-	0	0	INT_MAX	1/1	M

18450	MM_NUM_CP_MODULES			N02, N09	-	
-	Max. number of CP modules			DWORD	PowerOn	
-						
-	-	4	0	48	1/1	M

18452	MM_NUM_CP_MODUL_LEAD			N02, N09	-	
-	Maximum number of CP master values			DWORD	PowerOn	
-						
-	-	4	0	99	1/1	M

18500	MM_EXTCOM_TASK_STACK_SIZE			EXP, N02	S7	
-	Stack size for external communications task (DRAM)			DWORD	PowerOn	
-						
-	-	30	30	60	0/0	S

18502	MM_COM_TASK_STACK_SIZE			EXP, N02	-	
-	Stack size in KB for communication task (DRAM)			DWORD	PowerOn	
-						
-	-	20	20	40	0/0	S

18510	MM_SERVO_TASK_STACK_SIZE			EXP, N02	S7	
-	Stack size of servo task (DRAM)			DWORD	PowerOn	
-						
-	-	20	20	40	0/0	S

18512	MM_IPO_TASK_STACK_SIZE			EXP, C02	-	
-	Stack size of IPO task (DRAM)			DWORD	PowerOn	
-						
-	-	30	30	40	0/0	S

18600	MM_FRAME_FINE_TRANS			N02	K2,M5	
-	Fine offset with FRAME (SRAM)			DWORD	PowerOn	
-						
-	-	1	0	1	7/2	M

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18601	MM_NUM_GLOBAL_USER_FRAMES			N02	K2,M5	
-	Number of global predefined user frames (SRAM).			DWORD	PowerOn	
-						
-	-	0	0	100	7/2	M

18602	MM_NUM_GLOBAL_BASE_FRAMES			N02	K2,M5	
-	Number of global base frames (SRAM).			DWORD	PowerOn	
-						
-	-	0	0	16	7/2	M

18660	MM_NUM_SYNACT_GUD_REAL			N02	-	
-	Number of configurable GUD variables of type REAL			DWORD	PowerOn	
-						
-	9	0,0,0,0,0,0,0,0,0	0	32767	7/2	M

18661	MM_NUM_SYNACT_GUD_INT			N02	-	
-	Number of configurable GUD variables of type integer			DWORD	PowerOn	
-						
-	9	0,0,0,0,0,0,0,0,0	0	32767	7/2	M

18662	MM_NUM_SYNACT_GUD_BOOL			N02	-	
-	Number of configurable GUD variables of type Boolean			DWORD	PowerOn	
-						
-	9	0,0,0,0,0,0,0,0,0	0	32767	7/2	M

18663	MM_NUM_SYNACT_GUD_AXIS			N02	-	
-	Number of configurable GUD variables of type Axis			DWORD	PowerOn	
-						
-	9	0,0,0,0,0,0,0,0,0	0	32767	7/2	M

18664	MM_NUM_SYNACT_GUD_CHAR			N02	-	
-	Configurable GUD variable of type Char			DWORD	PowerOn	
-						
-	9	0,0,0,0,0,0,0,0,0	0	32767	7/2	M

18665	MM_NUM_SYNACT_GUD_STRING			N02	-	
-	Configurable GUD variable of type STRING			DWORD	PowerOn	
-						
-	9	0,0,0,0,0,0,0,0,0	0	25	7/2	M

18700	MM_SIZEOF_LINKVAR_DATA			N02	B3	
-	Size of NCU-link variable memory			DWORD	PowerOn	
LINK						
-	-	0	-	-	7/2	M

18710	MM_NUM_AN_TIMER			N02	-	
-	Number of global time variable for synchronized actions			DWORD	PowerOn	
-						
-	-	0	0	10000	7/2	M

18720	MM_SERVO_FIFO_SIZE			EXP, N01	B3	
-	Setpoint value for buffer size between IPO and position control			DWORD	PowerOn	
-						
-	-	2	2	35	3/2	M

18730	MM_MAXNUM_ALARM_ACTIONS			N02	-	
-	Length of the alarm action list			DWORD	PowerOn	
-						
-	-	500	100	2000	1/1	M

18780	MM_NCU_LINK_MASK			N01	B3	
-	Activation of NCU-link communication			DWORD	PowerOn	
-						
-	-	0	0	3	3/2	M

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18781	NCU_LINK_CONNECTIONS			N01	B3	
-	Number of internal link connections			DWORD	PowerOn	
LINK						
-	-	0	0	32	3/1	M

18782	MM_LINK_NUM_OF_MODULES			N01, N02	B3	
-	Number of NCU-link modules			DWORD	PowerOn	
-						
-	-	2	2	16	3/2	M

18788	MM_CC_STATION_CHAN_MASK			N01	-	
-	Channel bit mask for allocating CC stations			DWORD	PowerOn	
-						
-	3	1,0,0	-	-	1/1	M

18790	MM_MAX_TRACE_LINK_POINTS			EXP, N02, N06	B3	
-	Trace data buffer size for NCU-Link			DWORD	PowerOn	
NBUP						
-	-	8	0	20000	2/2	M

18792	MM_TRACE_LINK_DATA_FUNCTION			EXP, N02, N06	B3	
-	Specifies the contents of the NCU-link files			DWORD	PowerOn	
NBUP						
-	-	0	0	0x7FFFFFFF	2/2	M

18794	MM_TRACE_VDI_SIGNAL			EXP, N02, N06	-	
-	Trace specification of VDI signals			DWORD	PowerOn	
NBUP						
-	-	0	0	0x7FFFFFFF	2/2	M

18800	MM_EXTERN_LANGUAGE			N01, N12	K1	
-	Activation of external NC languages			DWORD	PowerOn	
-						
-	-	0x0000	0x0000	0x0001	7/2	M

18840	MM_EPSPARAM_DIMENSION			EXP, N01, N02	ePS Dokumentation	
-	Dimension of ePS-specific variables $EPS_*			DWORD	PowerOn	
-						
-	-	10	0	100	0/0	S

18860	MM_MAINTENANCE_MON			EXP, N01	W6	
-	Activation of maintenance data recording			BOOLEAN	PowerOn	
-						
-	-	FALSE	-	-	7/2	M

18864	MM_NUM_TRAFO_DATA_SETS			N02, N09	W1	
-	Maximum number of definable transformation data blocks.			DWORD	PowerOn	
-						
-	-	0	0	100	7/2	M

18866	MM_NUM_KIN_TRAFOS			N02, N09	W1	
-	Maximum number of transformation objects in NCK			DWORD	PowerOn	
-						
-	-	0	0	200	7/2	M

18870	MM_MAXNUM_KIN_CHAINS			EXP, N01	-	
-	Max. number of kinematic chains			DWORD	PowerOn	
-						
-	-	0	-	200	7/2	M

18880	MM_MAXNUM_KIN_CHAIN_ELEM			EXP, N01	-	
-	maximum number of elements in kinematic chains			DWORD	PowerOn	
-						
-	-	0	-	1000	7/2	M

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18890	MM_MAXNUM_3D_PROT_AREAS			EXP, N01	-	
-	Maximum number of 3D protection areas			DWORD	PowerOn	
-						
-	-	0	0	200	7/2	M

18892	MM_MAXNUM_3D_PROT_AREA_ELEM			EXP, N01	-	
-	Max. number of protection zone elements			DWORD	PowerOn	
-						
-	-	0	0	1000	7/2	M

18893	MM_MAXNUM_3D_T_PROT_ELEM			EXP, N01	-	
-	Max. number of tool protection area elements			DWORD	PowerOn	
-						
-	-	0	0	500	7/2	M

18894	MM_MAXNUM_3D_PROT_GROUPS			EXP, N01	-	
-	Max. number of protection zone groups			DWORD	PowerOn	
-						
-	-	0	0	100	7/2	M

18895	MM_MAXNUM_3D_FACETS			EXP, N01	-	
-	Max. number of protection area facets			DWORD	PowerOn	
-						
-	-	0	0	5000	7/2	M

18896	MM_MAXNUM_3D_COLLISION			EXP, N01	-	
-	Max. number of the memory location for collision check			DWORD	PowerOn	
-						
-	-	0	0	MAX_SIZE_3D_S_COLL_TREE_MD	7/2	M

18897	MM_MAXNUM_3D_INTRERFACE_IN			EXP, N01	-	
-	Max. no. of interf. bits for pre-activation of protection zones			DWORD	PowerOn	
-						
-	-	16	0	64	7/2	M

18898	PROT_AREA_3D_TYPE_NAME_TAB			EXP, N12, N07	-	
-	Table of names for protection zone types			STRING	PowerOn	
-						
-	11	BOX,SPHERE,CYLINDER,CONE...	-	-	7/1	M

18899	PROT_AREA_TOOL_MASK			EXP	-	
-	Controls the creation of automatically created tool protection areas			DWORD	NEW CONF	
-						
-	-	0	-	-	7/3	U

18900	FPU_ERROR_MODE			EXP	-	
-	System reaction to FPU calculation error			DWORD	PowerOn	
NBUP, NDLD						
-	-	0x1	-	-	0/0	S

18910	FPU_CTRLWORD_INIT			EXP	-	
-	Basic initialization of FPU control word			DWORD	PowerOn	
NBUP, NDLD						
-	-	0x37F	-	-	0/0	S

18920	FPU_EXEPTION_MASK			EXP	-	
-	Exception mask for FPU calculation errors			DWORD	PowerOn	
NBUP, NDLD						
-	-	0xD	-	-	0/0	S

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18930	COREFILE_NAME			EXP	-	
-	Path for core file creation			STRING	PowerOn	
-						
-	-		-	-	7/1	M

18950	COLLISION_INIT			EXP, N01	-	
-	Configuration of the free path lengths in collision avoidance.			DOUBLE	PowerOn	
-						
-	5	4.0,2.5,0.5,0.950,0.250	0.001	-	0/0	S

18960	POS_DYN_MODE			N01	K1	
-	Type of positioning axis dynamic response			BYTE	Reset	
-						
-	-	0	0	1	7/2	M

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2.4 Channel-specific machine data

Number	Identifier			Display filters	Reference	
Unit	Name			Data type	Active	
Attributes						
System	Dimension	Default value	Minimum value	Maximum value	Protection	Class

2.4.1 Basic channel machine data

20000	CHAN_NAME			C01, C10	B3,K1	
-	Channel name			STRING	PowerOn	
-						
-	-	CHAN1,CHAN2,CHAN3,CHAN4...	-	-	7/2	M

20050	AXCONF_GEOAX_ASSIGN_TAB			C01, C10	TE7,TE8,M1,R2,K1,K2	
-	Assignment of geometry axis to channel axis			BYTE	PowerOn	
-						
-	3	1, 2, 3,0, 0, 0,0, 0, 0,0, 0, 0...	0	20	7/2	M

20060	AXCONF_GEOAX_NAME_TAB			C01, C11, C10	F2,V2,M1,K2	
-	Geometry axis name in channel			STRING	PowerOn	
-						
-	3	X, Y, Z,X, Y, Z...	-	-	7/2	M

20070	AXCONF_MACHAX_USED			C01, C10	TE3,B3,K5,M1,K1,K2,P3 pl,P3 sl,S1	
-	Machine axis number valid in channel			BYTE	PowerOn	
-						
710-6a2c	20	1, 2, 3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	31	7/2	M
710-31a10c	20	1, 2, 3, 4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	31	7/2	M
710-31a10c6	20	1, 2, 3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	31	7/2	M
720-6a2c	20	1, 2, 3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	31	7/2	M
720-31a10c	20	1, 2, 3, 4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	31	7/2	M
720-31a10c6	20	1, 2, 3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	31	7/2	M
730-6a2c	20	1, 2, 3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	31	7/2	M
730-31a10c	20	1, 2, 3, 4, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	31	7/2	M
730-31a10c6	20	1, 2, 3, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	31	7/2	M

20080	AXCONF_CHANAX_NAME_TAB			C01, C11, C10	F2,V2,M1,K2,V1	
-	Channel axis name in channel			STRING	PowerOn	
-						
-	20	"X", "Y", "Z", "A", "B", "C", "U", "V", "X11", "Y11"...	-	-	7/2	M

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20082	AXCONF_CHANAX_DEFAULT_NAME			C01, C11, C10	-	
-	Default axis name for axis variables in the channel			STRING	PowerOn	
-						
-	-	-	-	-	7/2	M

20090	SPIND_DEF_MASTER_SPIND			C01, C03	H2,K1,K2,P3 pl,P3 sl,S1,W1	
-	Initial setting of master spindle in channel			BYTE	PowerOn	
-						
-	-	1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	1	20	7/2	M

20092	SPIND_ASSIGN_TAB_ENABLE			C01, C03, C10	S1	
-	Enable/disable the spindle converter.			BYTE	Reset	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	1	7/7	U

20094	SPIND_RIGID_TAPPING_M_NR			C01, C03, C10	H2,K1,S1	
-	M function for switching into controlled axis mode			DWORD	PowerOn	
-						
-	-	70,70,70,70,70,70,70,70,70,70,70,70...	-	-	7/2	M

20095	EXTERN_RIGID_TAPPING_M_NR			C01, C11, C03, C10	H2,K1	
-	M function for switching to controlled axis mode(external mode)			DWORD	PowerOn	
-						
-	-	29,29,29,29,29,29,29,29,29,29,29,29...	-	-	7/2	M

20096	T_M_ADDRESS_EXT_IS_SPINO			C01, C04, C09	H2,W1	
-	Meaning of address extension at T, M tool change			BOOLEAN	PowerOn	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/2	M

20098	DISPLAY_AXIS			EXP, C01	-	
-	Display axis on HMI			DWORD	Immediately	
-						
-	20	0xFFFFFFFF, 0xFFFFFFFF, 0xFFFFFFFF, 0xFFFFFFFF, 0xFFFFFFFF...	-	-	7/2	M

20100	DIAMETER_AX_DEF			C01, C10	H1,M5,P1,V1,W1	
-	Geometry axis with transverse axis function			STRING	PowerOn	
-						
-	-		-	-	7/2	M

20106	PROG_EVENT_IGN_SINGLEBLOCK			N01	K1,Z1	
-	Prog-Events ignore single block			DWORD	PowerOn	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0x3F	7/2	M

20107	PROG_EVENT_IGN_INHIBIT			N01	K1,Z1	
-	Prog-Events ignore read-in disable			DWORD	PowerOn	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0x3F	7/2	M

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20108	PROG_EVENT_MASK			N01, -	TE3,K1	
-	Setting of event-driven programm calls			DWORD	PowerOn	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0x3F	7/2	M

20109	PROG_EVENT_MASK_PROPERTIES			N01	K1	
-	Properties of Prog-Events			DWORD	PowerOn	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0x1	7/2	M

20110	RESET_MODE_MASK			C11, C03	F2,K6,M3,TE4,W5,B3,K5,M1,G2,K1,K2,P1,S1,W1,2.4,2.7	
-	Definition of basic control settings after reset/PP end			DWORD	Reset	
-						
-	-	0x1,0x1,0x1,0x1,0x1,0x1,0x1,0x1,0x1,0x1...	0	0x7FFFF	7/2	M

20112	START_MODE_MASK			C03	K6,M3,K5,M1,K1,K2,P1,S1,W1	
-	Definition of basic setting of control after part program start			DWORD	Reset	
-						
-	-	0x400,0x400,0x400,0x400,0x400,0x400,0x400...	0	0x7FFFF	7/2	M

20114	MODESWITCH_MASK			C03	K1	
-	Interruption MDA by mode change			DWORD	Reset	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0xFFFF	7/2	M

20116	IGNORE_INHIBIT_ASUP			C01	K1,Z1	
-	Execuite interrupt program despite read-in disable			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/2	M

20117	IGNORE_SINGLEBLOCK_ASUP			C01	K1,Z1	
-	Execute interrupt program completely despite single block			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/2	M

20118	GEOAX_CHANGE_RESET			C03	M1,K1,Z1	
-	Enable automatic geometry axis change			BOOLEAN	Reset	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/2	M

20120	TOOL_RESET_VALUE			C03	K1,W1	
-	Tool with length compens. during runup (reset/part program end).			DWORD	Reset	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	32000	7/2	M

20121	TOOL_PRESEL_RESET_VALUE			C03	K1,W1	
-	Preselected tool on RESET			DWORD	Reset	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	32000	7/2	M

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20122	TOOL_RESET_NAME			C03	-	
-	Active tool at RESET/START with tool management			STRING	Reset	
-						
-	-		-	-	7/2	M

20123	USEKT_RESET_VALUE			C03	-	
-	Preselected value of $P_USEKT on RESET			DWORD	Reset	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	0xF	7/2	M

20124	TOOL_MANAGEMENT_TOOLHOLDER			C03	H2,K1	
-	Tool holder number			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	20	7/2	M

20125	CUTMOD_ERR			C08	-	
-	Error handling for function CUTMOD			DWORD	Immediately	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

20126	TOOL_CARRIER_RESET_VALUE			C03	W1	
-	Active tool holder on RESET			DWORD	Reset	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

20127	CUTMOD_INIT			C08	K1,W1	
-	Initialize CUTMOD after power ON			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-2	999999999	7/2	M

20128	COLLECT_TOOL_CHANGE			C04	-	
-	Tool change commands to PLC after search run			DWORD	PowerOn	
-						
-	-	1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	-	-	1/1	M

20130	CUTTING_EDGE_RESET_VALUE			C03	-	
-	Tool edge with length compens. during runup (reset/end of pp)			DWORD	Reset	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	32000	7/2	M

20132	SUMCORR_RESET_VALUE			C03	-	
-	Effective resulting offset on RESET			DWORD	Reset	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	6	7/2	M

20140	TRAFO_RESET_VALUE			C03	F2,TE4,M1	
-	Transformation data block selected during runup (reset/pp end)			BYTE	Reset	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	20	7/2	M

20142	TRAFO_RESET_NAME			C03	K1	
-	Transformation during power up (reset/part program end)			STRING	Reset	
-						
-	-		-	-	7/2	M

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20144	TRAFO_MODE_MASK			C07	M1	
-	Function selection of kinematic transformation			BYTE	Reset	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0x03	7/2	M

20150	GCODE_RESET_VALUES			C11, C03	F2,TE4,K3,M1,M5,K1,K2,P1,V1	
-	Initial setting of G groups			BYTE	Reset	
-						
-	70	2, 0, 0, 1, 0, 1, 1, 1, 0, 1, 0, 1, 2, 1, 2, 1, 1, 1, 1, 1, 1...	-	-	7/2	M

20152	GCODE_RESET_MODE			C03	M1,K1,K2,P1	
-	Reset response of G groups			BYTE	Reset	
-						
-	70	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	1	7/2	M

20154	EXTERN_GCODE_RESET_VALUES			C11, C03	-	
-	Initial setting of G groups in ISO mode			BYTE	Reset	
-						
-	31	1, 1, 1, 2, 1, 1, 1, 3, 4, 1, 1, 2, 2, 1, 3, 2, 1, 0, 1, 1, 1...	-	-	2/2	M

20156	EXTERN_GCODE_RESET_MODE			C03	-	
-	Reset response of external G groups			BYTE	Reset	
-						
-	31	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	1	7/2	M

20160	CUBIC_SPLINE_BLOCKS			EXP, C09	-	
-	Number of blocks for C spline			BYTE	PowerOn	
-						
-	-	8,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8	4	9	7/2	M

20170	COMPRESS_BLOCK_PATH_LIMIT			C09	B1	
mm	Maximum traversing distance of an NC block with compression			DOUBLE	NEW CONF	
-						
-	-	1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0...	-	-	7/2	M

20172	COMPRESS_VELO_TOL			C09	B1,V1	
mm/min	Max. permissible deviation of path feedrate with compression			DOUBLE	PowerOn	
-						
-	-	60000.0,60000.0,60000.0,60000.0...	-	-	7/2	M

20178	ORISON_BLOCK_PATH_LIMIT			C09	-	
mm	Maximum traversing length with orientation smoothing			DOUBLE	NEW CONF	
-						
-	-	20.0,20.0,20.0,20.0,20.0,20.0,20.0...	-	-	7/2	M

20180	TOCARR_ROT_ANGLE_INCR			C08	W1	
-	Rotary axis increment of orientable tool holder			DOUBLE	NEW CONF	
-						
-	2	0.0, 0.0,0.0, 0.0,0.0, 0.0,0.0, 0.0...	-	-	7/3	M

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20182	TOCARR_ROT_ANGLE_OFFSET			C08	-	
-	Rotary axis offset of orientable tool holder			DOUBLE	NEW CONF	
-						
-	2	0.0, 0.0,0.0, 0.0,0.0, 0.0,0.0, 0.0...	-	-	7/3	M

20184	TOCARR_BASE_FRAME_NUMBER			C08	K2,W1	
-	Base frame number for holding machine table offset			DWORD	NEW CONF	
-						
-	-	-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1...	-1	15	7/3	M

20188	TOCARR_FINE_LIM_LIN			C07	W1	
mm	Limit of linear fine offset TCARR			DOUBLE	Immediately	
-						
-	-	1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0...	-	-	7/3	M

20190	TOCARR_FINE_LIM_ROT			C07	W1	
degrees	Limit of rotary fine offset TCARR			DOUBLE	Immediately	
-						
-	-	1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0...	-	-	7/3	M

20191	IGN_PROG_STATE_ASUP			EXP	K1	
-	Do not display interrupt program execution on OPI			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/2	M

20192	PROG_EVENT_IGN_PROG_STATE			EXP	-	
-	Do not display the Prog-Event on OPI			DWORD	PowerOn	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0x3F	7/2	M

20193	PROG_EVENT_IGN_STOP			EXP	-	
-	Prog-Events ignore the stop key			DWORD	PowerOn	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0xF	7/2	M

20196	TOCARR_ROTAX_MODE			C07	W1	
-	ToolCarrier: rotary axis setting with axis positions not defined			DWORD	Immediately	
-						
-	-	2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2	0	3	7/3	U

20200	CHFRND_MAXNUM_DUMMY_BLOCKS			EXP, C02, C06, C09	V1	
-	Empty blocks with chamfer/radii			BYTE	PowerOn	
-						
-	-	3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3	0	15	7/2	M

20201	CHFRND_MODE_MASK			C09	V1	
-	Chamfer/rounding behavior			DWORD	Reset	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0xFFFF	7/2	M

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20202	WAB_MAXNUM_DUMMY_BLOCKS			C02, C06	W1	
-	maximum number of blocks w/o traversing movement with SAR			BYTE	Reset	
-						
-	-	5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5	0	10	7/2	M

20204	WAB_CLEARANCE_TOLERANCE			C06	W1	
mm	Change of direction with SAR			DOUBLE	PowerOn	
-						
-	-	0.01,0.01,0.01,0.01,0.01,0.01,0.01...	-	-	7/2	M

20210	CUTCOM_CORNER_LIMIT			C08, C06	W1	
degrees	Maximum angle f. compensation blocks in tool radius compensation			DOUBLE	Reset	
-						
-	-	100.,100.,100.,100.,100.,100.,100....	0.0	150.	7/2	M

20220	CUTCOM_MAX_DISC			C08, C06	W1	
-	Maximum value for DISC			DOUBLE	Reset	
-						
-	-	50.0,50.0,50.0,50.0,50.0,50.0,50.0...	0.0	75.0	7/2	M

20230	CUTCOM_CURVE_INSERT_LIMIT			C08, C06	W1	
-	Maximum angle for calculation of intersection with TRC			DOUBLE	Reset	
-						
-	-	10.,10.,10.,10.,10.,10.,10.,10.,10....	0.0	150.	7/2	M

20240	CUTCOM_MAXNUM_CHECK_BLOCKS			C08, C02	W1	
-	Blocks for look-ahead contour calculation with TRC			DWORD	PowerOn	
-						
-	-	4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4	2	10000	7/2	M

20250	CUTCOM_MAXNUM_DUMMY_BLOCKS			C08, C02	W1	
-	maximum number of blocks without traversing motion in TRC			DWORD	PowerOn	
-						
-	-	3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3	0	1000	7/2	M

20252	CUTCOM_MAXNUM_SUPPR_BLOCKS			EXP, C01, C08, C02	W1	
-	Maximum number of blocks with compensation suppression			DWORD	PowerOn	
-						
-	-	5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5	0	1000	7/2	M

20254	ONLINE_CUTCOM_ENABLE			EXP, C01, C08	-	
-	Real-time tool radius compensation enabled			BOOLEAN	PowerOn	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/2	M

20256	CUTCOM_INTERS_POLY_ENABLE			C09	W1	
-	Intersection procedure for polynomials is possible			BOOLEAN	PowerOn	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/2	M

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20260	PATH_IPO_IS_ON_TCP			EXP, C09, C05	-	
-	Velocity control with spline			BOOLEAN	PowerOn	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	0/0	S

20262	SPLINE_FEED_PRECISION			EXP, C09, C05	-	
-	Permissible rel. error of path velocity for spline			DOUBLE	PowerOn	
-						
-	-	0.001,0.001,0.001,0.001,0.001,0.001...	0.000001	1.0	0/0	S

20270	CUTTING_EDGE_DEFAULT			C11, C03	H2,W1	
-	Initial position of tool cutting edge without programming			DWORD	PowerOn	
-						
-	-	1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	-2	32000	7/2	M

20272	SUMCORR_DEFAULT			C03	H2,W1	
-	Initial position resulting offset without program			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-1	6	7/2	M

20280	LIMIT_CHECK_MODE			EXP	-	
-	Type of limit position check			DWORD	Reset	
-						
-	-	1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	0	1	1/1	M

20310	TOOL_MANAGEMENT_MASK			C09	P3 pl,P3 sl	
-	Activation of tool management functions			DWORD	PowerOn	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0xFFFFFFF	7/2	M

20320	TOOL_TIME_MONITOR_MASK			C06, C09	-	
-	Time monitoring for tool in tool holder			DWORD	PowerOn	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	-	-	7/2	M

20350	TOOL_GRIND_AUTO_TMON			C06, C09	-	
-	Activation of tool monitoring. 0/1: Monitoring off/on			BYTE	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	1	7/2	M

20360	TOOL_PARAMETER_DEF_MASK			C09	M5,P1,W1	
-	Definition of tool parameters			DWORD	PowerOn	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0xFFFF	7/2	M

20370	SHAPED_TOOL_TYPE_NO			C01, C08	-	
-	Tool type number for contour tools			DWORD	Immediately	
-						
-	4	0, 0, 0, 0,0, 0, 0, 0,0, 0, 0...	-	-	7/2	M

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20372	SHAPED_TOOL_CHECKSUM			C01, C08	-	
-	Checksum test for contour tools			BOOLEAN	Immediately	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/5	U

20380	TOOL_CORR_MODE_G43G44			C01, C08, C11	-	
-	Treatment of tool length compensation with G43 / G44			BYTE	Reset	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	2	7/2	M

20382	TOOL_CORR_MOVE_MODE			C01, C08	-	
-	Traversing of tool length compensation			BOOLEAN	Reset	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/2	M

20384	TOOL_CORR_MULTIPLE_AXES			C01, C08, C11	-	
-	Tool length compensation in several axes simultaneously			BOOLEAN	Reset	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/2	M

20390	TOOL_TEMP_COMP_ON			C01, C08	K3,W1	
-	Activation of temperature compensation for tool length			BOOLEAN	Reset	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/2	M

20392	TOOL_TEMP_COMP_LIMIT			C01, C08	W1	
mm	Max. temperature compensation for tool length			DOUBLE	Reset	
-						
-	3	1.0, 1.0 , 1.0,1.0, 1.0 , 1.0...	-	-	7/7	U

20396	TOOL_OFFSET_DRF_ON			C01, C08	-	
-	Handwheel override in tool direction			BOOLEAN	Reset	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	-1/2	M

20400	LOOKAH_USE_VELO_NEXT_BLOCK			EXP, C05	B1	
-	LookAhead following block velocity			BOOLEAN	PowerOn	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/2	M

20430	LOOKAH_NUM_OVR_POINTS			EXP, C02, C05	B1	
-	Number of override characteristics for LookAhead			DWORD	PowerOn	
-						
-	-	1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	0	2	7/2	M

20440	LOOKAH_OVR_POINTS			EXP, C05	B1	
-	Override switch points for Look Ahead			DOUBLE	PowerOn	
-						
-	2	1.0, 0.2,1.0, 0.2,1.0, 0.2,1.0, 0.2...	0.2	2.0	7/2	M

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20442	LOOKAH_SYSTEM_PARAM			EXP	-	
-	System parameter for extended LookAhead			DOUBLE	NEW CONF	
-						
-	20	0., 0., 0., 0., 0., 0., 0., 0., 0., 0., 0., 0., 0., 0., 0....	-	-	0/0	S

20443	LOOKAH_FFORM			EXP, C05	-	
-	Activate extended LookAhead			BYTE	NEW CONF	
-						
-	5	0, 0, 0, 0, 0,0, 0, 0, 0, 0...	-	-	7/2	M

20450	LOOKAH_RELIEVE_BLOCK_CYCLE			EXP, C05	B1	
-	Relief factor for block cycle time			DOUBLE	PowerOn	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0,0,0.0,0.0...	-	-	7/2	M

20455	LOOKAH_FUNCTION_MASK			EXP, C05	-	
-	Look Ahead special functions			BYTE	NEW CONF	
-						
-	-	1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	0	1	7/2	M

20460	LOOKAH_SMOOTH_FACTOR			EXP, C05	B1	
%	Smoothing factor for Look Ahead			DOUBLE	NEW CONF	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0,0.0,0.0,0.0...	0.	500.0	7/2	M

20462	LOOKAH_SMOOTH_WITH_FEED			EXP, C05	B1	
-	Path velocity smoothing with programmed feed			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/2	M

20464	PATH_MODE_MASK			EXP, C05	-	
-	Path behavior			DWORD	Reset	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	0xfffff	7/2	M

20465	ADAPT_PATH_DYNAMIC			EXP, C05	B1	
-	Adaptation of path dynamic response			DOUBLE	NEW CONF	
-						
-	2	1.0, 1.0,1.0, 1.0,1.0, 1.0,1.0, 1.0,1.0...	1.0	100.0	7/2	M

20470	CPREC_WITH_FFW			EXP, C06, C05	K6	
-	Programmable contour accuracy			BOOLEAN	PowerOn	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/2	M

20480	SMOOTHING_MODE			EXP	B1	
-	Behavior of smoothing with G64x			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	15744	7/7	U

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20482	COMPRESSOR_MODE			EXP	F2	
-	Mode of compressor			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	333	7/7	U

20484	COMPRESSOR_PERFORMANCE			EXP	-	
-	Compressor power			BYTE	Reset	
-						
-	-	9,9,9,9,9,9,9,9,9,9,9,9,9,9,9,9	0	9	0/0	S

20485	COMPRESS_SMOOTH_FACTOR			EXP, C05	B1	
-	Smoothing by compressor			DOUBLE	NEW CONF	
-						
-	5	0., 0., 0., 0., 0.,0., 0., 0., 0., 0....	0.	1.	7/2	M

20486	COMPRESS_SPLINE_DEGREE			EXP, C05	B1	
-	Compressor spline degree			BYTE	NEW CONF	
-						
-	5	3, 3, 3, 3, 3,3, 3, 3, 3, 3...	3	5	0/0	S

20487	COMPRESS_SMOOTH_FACTOR_2			EXP, C05	B1	
-	Smoothing by compressor			DOUBLE	NEW CONF	
-						
-	5	0., 0., 0., 0., 0.,0., 0., 0., 0., 0....	0.	1.	7/2	M

20488	SPLINE_MODE			EXP	B1	
-	Setting for spline interpolation			BYTE	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	7	7/7	M

20490	IGNORE_OVL_FACTOR_FOR_ADIS			EXP	B1	
-	G641/G642 independent of overload factor			BOOLEAN	NEW CONF	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/7	U

20500	CONST_VELO_MIN_TIME			EXP, C05	B2	
s	Minimum time with constant velocity			DOUBLE	PowerOn	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	0.0	0.1	7/2	M

20550	EXACT_POS_MODE			EXP	B1	
-	Exact stop conditions on G00/G01.			BYTE	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	33	7/2	M

20552	EXACT_POS_MODE_G0_TO_G1			EXP	B1	
-	Exact stop condition at G00-G01 transition			BYTE	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	5	7/2	M

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20560	G0_TOLERANCE_FACTOR			EXP	B1	
-	Tolerance factor for G00			DOUBLE	NEW CONF	
-						
-	-	1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0...	1.e-9	-	1/1	M

20600	MAX_PATH_JERK			C05	B1,B2	
m/s³	Path-related maximum jerk			DOUBLE	NEW CONF	
-						
-	5	100., 100., 100., 100., 100....	1.e-9	-	7/2	M

20602	CURV_EFFECT_ON_PATH_ACCEL			EXP, C05	B1,B2	
-	Effect of path curvature on path dynamic			DOUBLE	NEW CONF	
-						
-	5	0., 0., 0., 0., 0.,0., 0., 0., 0., 0....	0.	0.95	7/2	M

20603	CURV_EFFECT_ON_PATH_JERK			EXP, C05	B1	
-	Effect of path curvature on path jerk			DOUBLE	NEW CONF	
-						
-	5	0., 0., 0., 0., 0.,0., 0., 0., 0., 0....	0.	1000.	7/2	M

20605	PREPDYN_SMOOTHING_FACTOR			EXP, C05	B1	
-	Factor for curve smoothing			DOUBLE	NEW CONF	
-						
-	5	1., 1., 1., 1., 1.,1., 1., 1., 1., 1....	-	-	1/1	M

20606	PREPDYN_SMOOTHING_ON			EXP, C05	B1	
-	Activation of curve smoothing			BOOLEAN	NEW CONF	
-						
-	5	0, 0, 0, 0, 0,0, 0, 0, 0, 0...	-	-	7/2	M

20607	PREPDYN_MAX_FILT_LENGTH_GEO			EXP, C05	B1	
mm, degrees	Maximum filter length for geometry axes			DOUBLE	NEW CONF	
-						
-	5	2., 2., 2., 2., 2.,2., 2., 2., 2., 2....	-	-	0/0	S

20608	PREPDYN_MAX_FILT_LENGTH_RD			EXP, C05	B1	
mm, degrees	Maximum filter length for rotary axes			DOUBLE	NEW CONF	
-						
-	5	5., 5., 5., 5., 5.,5., 5., 5., 5., 5....	-	-	0/0	S

20610	ADD_MOVE_ACCEL_RESERVE			C05	F2,B2,K1	
-	Acceleration margin for overlaid movements			DOUBLE	PowerOn	
-						
-	-	.2,.2,.2,.2,.2,.2,.2,.2,.2,.2,.2,.2,.2...	0.	0.9	7/2	M

20620	HANDWH_GEOAX_MAX_INCR_SIZE			C08, C06	H1	
mm	Limitation handwheel increment for geometry axes			DOUBLE	PowerOn	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	-	-	7/2	M

20621	HANDWH_ORIAX_MAX_INCR_SIZE			C08, C06	-	
degrees	Limiting of handwheel increment for orientation axes			DOUBLE	PowerOn	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	-	-	7/2	M

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20622	HANDWH_GEOAX_MAX_INCR_VSIZE			C08, C06, C05	-	
mm/min	Path velocity override			DOUBLE	PowerOn	
-						
-	-	500.,500.,500.,500.,500.,500.,500....	-	-	7/2	M

20623	HANDWH_ORIAX_MAX_INCR_VSIZE			C08, C06, C05	-	
rev/min	Orientation velocity overlay			DOUBLE	PowerOn	
-						
-	-	0.1,0.1,0.1,0.1,0.1,0.1,0.1,0.1,0.1,0.1...	-	-	7/2	M

20624	HANDWH_CHAN_STOP_COND			EXP, C09	H1,P1	
-	Definition of response of handwheel travel, channel-specific			DWORD	PowerOn	
-						
-	-	0x13FF,0x13FF,0x13FF,0x13FF,0x13FF...	0	0xFFFF	7/2	M

20700	REFP_NC_START_LOCK			C01, C03	D1,R1,Z1	
-	NC start disable without reference point			BYTE	Reset	
-						
-	-	1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	0	2	7/2	M

20730	G0_LINEAR_MODE			C09	P2	
-	G0 interpolation mode			BOOLEAN	PowerOn	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/2	M

20732	EXTERN_G0_LINEAR_MODE			N12	P2	
-	G00 interpolation mode			BOOLEAN	PowerOn	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/2	M

20734	EXTERN_FUNCTION_MASK			N12	-	
-	Function mask for external language			DWORD	Reset	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	0xFFFF	7/2	M

20750	ALLOW_G0_IN_G96			C09, C05	P2,V1	
-	G0 logic with G96, G961			BOOLEAN	PowerOn	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/2	M

20800	SPF_END_TO_VDI			C04, C03	H2,K1	
-	End of subroutine to PLC			BYTE	PowerOn	
-						
-	-	1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	-	-	7/2	M

20850	SPOS_TO_VDI			C04, C03	S1	
-	Output of M19 to PLC on SPOS/SPOSA			BYTE	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/2	M

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20900	CTAB_ENABLE_NO_LEADMOTION			EXP	M3	
-	Curve tables with jump of slave axis			BYTE	Reset	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0		2	7/2	M

20905	CTAB_DEFAULT_MEMORY_TYPE			EXP	M3	
-	Default memory type for curve tables			BYTE	Reset	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0		1	7/2	M

21000	CIRCLE_ERROR_CONST			C06	-	
mm	Circle end point monitoring constant			DOUBLE	PowerOn	
-						
-	-	0.01,0.01,0.01,0.01,0.01,0.01,0.01,0.01...	-	-	7/2	M

21010	CIRCLE_ERROR_FACTOR			C06	-	
-	Circle end point monitoring factor			DOUBLE	PowerOn	
-						
-	-	0.001,0.001,0.001,0.001,0.001,0.001...	-	-	7/2	M

21015	INVOLUTE_RADIUS_DELTA			C06	A2	
mm	Involute end point monitoring			DOUBLE	PowerOn	
-						
-	-	0.01,0.01,0.01,0.01,0.01,0.01,0.01,0.01...	-	-	7/2	M

21016	INVOLUTE_AUTO_ANGLE_LIMIT			C06	A2	
-	Automatic angle limitation during involute interpolation			BOOLEAN	PowerOn	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/2	M

21020	WORKAREA_WITH_TOOL_RADIUS			C03, C06	A3	
-	Consideration of tool radius for working area limitation			BOOLEAN	Reset	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/2	M

21050	CONTOUR_TUNNEL_TOL			C06	K6	
mm	Response threshold for contour tunnel monitoring			DOUBLE	NEW CONF	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	-	-	7/2	M

21060	CONTOUR_TUNNEL_REACTION			C06	K6	
-	Reaction when contour tunnel monitoring responds			BYTE	PowerOn	
-						
-	-	1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	0	2	7/2	M

21070	CONTOUR_ASSIGN_FASTOUT			C01, C06	K6	
-	Assignment of an analog output for the output of contour error			BYTE	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0		8	7/2	M

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21080	CUTCOM_PARALLEL_ORI_LIMIT			C08, C06	-	
degrees	Minimum angle (path tangent / tool orientation) in 3D TRC			DOUBLE	Reset	
-						
-	-	3.,3.,3.,3.,3.,3.,3.,3.,3.,3.,3.,3....	0.1	89.	7/2	M

21082	CUTCOM_PLANE_ORI_LIMIT			C08, C06	-	
degrees	Minimum angle between surface normal vector and tool orientation			DOUBLE	Reset	
-						
-	-	3.,3.,3.,3.,3.,3.,3.,3.,3.,3.,3.,3....	1.0	89.	7/2	M

21084	CUTCOM_PLANE_PATH_LIMIT			C08, C06	W5	
degrees	Min. angle betw. surface normal vector and path tangent vector			DOUBLE	Reset	
-						
-	-	3.,3.,3.,3.,3.,3.,3.,3.,3.,3.,3.,3....	1.0	89.	7/2	M

21090	MAX_LEAD_ANGLE			C08, C09	M1	
degrees	Maximum value of permitted lead angle for orientation progr.			DOUBLE	NEW CONF	
-						
-	-	80.,80.,80.,80.,80.,80.,80.,80.,80....	0.	80.	7/7	U

21092	MAX_TILT_ANGLE			C08, C09	M1	
degrees	Maximum value of permitted side angle for orientation progr.			DOUBLE	NEW CONF	
-						
-	-	180.,180.,180.,180.,180.,180.,180....	-180.	180.	7/7	U

21094	ORIPATH_MODE			C02	F2	
-	Setting for ORIPATH path-relative orientation			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	1211	7/7	U

21100	ORIENTATION_IS_EULER			C01, C09	F2,TE4,M1	
-	Angle definition for orientation programming			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/7	U

21102	ORI_DEF_WITH_G_CODE			C01, C07	F2	
-	Definition of orientation axes with G code			BOOLEAN	NEW CONF	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/2	M

21103	ORI_ANGLE_WITH_G_CODE			C01, C07	-	
-	Definition of orientation angles via G code			BOOLEAN	NEW CONF	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/2	M

21104	ORI_IPO_WITH_G_CODE			C01, C07	F2	
-	G code for orientation interpolation			BOOLEAN	NEW CONF	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/2	M

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21106	CART_JOG_SYSTEM			C01, C07	F2,M1	
-	Coordinate systems for Cartesian JOG			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	7	7/2	M

21108	POLE_ORI_MODE			C07	F2	
-	Response with vector interpolation in pole position			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	122	7/7	U

21110	X_AXIS_IN_OLD_X_Z_PLANE			EXP, C01, C09	M1,K2	
-	Coordinate system for automatic frame definition			BOOLEAN	PowerOn	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/7	M

21120	ORIAX_TURN_TAB_1			C07	F2,M1	
-	Definition of reference axes for orientation axes			BYTE	NEW CONF	
-						
-	3	1, 2, 3,1, 2, 3,1, 2, 3,1, 2, 3...	0	3	7/2	M

21130	ORIAX_TURN_TAB_2			C07	F2	
-	Definition of reference axes for orientation axes			BYTE	NEW CONF	
-						
-	3	1, 2, 3,1, 2, 3,1, 2, 3,1, 2, 3...	0	3	7/2	M

21132	ORI_DISP_IS_MODULO			C07	F2	
-	Modulo display of orientation axis positions			BOOLEAN	NEW CONF	
-						
-	3	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/7	U

21134	ORI_DISP_MODULO_RANGE			C07	-	
degrees	Size of the modulo range for orientation axis display.			DOUBLE	NEW CONF	
-						
-	3	360.0, 360.0, 360.0,360.0, 360.0, 360.0...	1.0	360000000.0	7/7	U

21136	ORI_DISP_MODULO_RANGE_START			C07	-	
degrees	Starting position of the modulo range for orientation axis display.			DOUBLE	NEW CONF	
-						
-	3	-180.0, -180.0, -180.0,-180.0, -180.0, -180.0...	-	-	7/7	U

21150	JOG_VELO_RAPID_ORI			C07	F2,R2	
rev/min	JOG rapid traverse for orientation axes			DOUBLE	Reset	
-						
-	3	10.0, 10.0, 10.0,10.0, 10.0, 10.0...	-	-	7/2	M

21155	JOG_VELO_ORI			C07	F2	
rev/min	Jog feedrate for orientation axes			DOUBLE	Reset	
-						
-	3	2.0, 2.0, 2.0,2.0, 2.0, 2.0...	-	-	7/2	M

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21160	JOG_VELO_RAPID_GEO			C07	F2	
mm/min	JOG rapid traverse for geometry axes			DOUBLE	Reset	
-						
-	3	10000., 10000.0, 10000.,10000., 10000.0, 10000....	-	-	7/2	M

21165	JOG_VELO_GEO			C07	F2	
mm/min	Jog feedrate for geometry axes			DOUBLE	Reset	
-						
-	3	1000., 1000., 1000.,1000., 1000., 1000....	-	-	7/2	M

21170	ACCEL_ORI			C07	F2	
rev/s²	Acceleration for ORI axes			DOUBLE	NEW CONF	
-						
-	3	.05, .05, .05,.05, .05, .05...	-	-	7/2	M

21180	ROT_AX_SWL_CHECK_MODE			C07	F2	
-	Check of software limits for orientation axes			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0		112	7/7	U

21186	TOCARR_ROT_OFFSET_FROM_FR			C01, C07	F2	
-	Offset of TOCARR rotary axes from WO			BOOLEAN	Immediately	
-						
-	-	FALSE,FALSE,FALSE, FALSE,FALSE,FALSE...	-	-	7/2	M

21190	TOFF_MODE			C08	F2,2.4	
-	Mode of correction in tool direction			BYTE	Reset	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/2	M

21194	TOFF_VELO			C08	F2,2.4	
mm/min	Feedrate for online correction in tool direction			DOUBLE	NEW CONF	
-						
-	3	0., 0., 0.,0., 0., 0.,0., 0., 0....	-	-	7/2	M

21196	TOFF_ACCEL			C08	2.4	
m/s²	Acceleration for online correction in tool direction			DOUBLE	NEW CONF	
-						
-	3	100., 100., 100.,100., 100., 100....	1.0e-3	-	7/2	M

21198	ORI_TRAFO_ONLINE_CHECK_LIM			C07	F2	
mm	Activation limit of the realtime dynamic monitoring			DOUBLE	NEW CONF	
-						
-	-	1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0...	-	-	7/2	M

21199	ORI_TRAFO_ONLINE_CHECK_LIMR			C07	F2	
degrees	Activation limit for real-time monitoring of dynamic response, rotary axes			DOUBLE	NEW CONF	
-						
-	-	1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0...	-	-	7/2	M

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21200	LIFTFAST_DIST			C09	K1,V1,2.6,6.1	
mm	Traversing distance on rapid lift from contour			DOUBLE	PowerOn	
-						
-	-	0.1,0.1,0.1,0.1,0.1,0.1,0.1,0.1,0.1...	-	-	7/2	M

21202	LIFTFAST_WITH_MIRROR			C09	K1	
-	Rapid retract with mirrorring			BOOLEAN	PowerOn	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/2	M

21204	LIFTFAST_STOP_COND			C09	M3	
-	Stop behavior with fast retraction			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/2	M

21210	SETINT_ASSIGN_FASTIN			C01, C09	-	
-	HW assignment of ext. NCK input byte for NC progr. interrupts			DWORD	PowerOn	
-						
-	-	1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	-	-	7/2	M

21220	MULTFEED_ASSIGN_FASTIN			C01, C09	A4,V1	
-	Assignment of the NCK I/Os for 'several feedrates in the block'			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/2	M

21230	MULTFEED_STORE_MASK			C01, C09	V1	
-	Memory response for 'several feedrates in the block'			BYTE	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/2	M

21240	PREVENT_SYNACT_LOCK_CHAN			C01, C09	-	
-	Protected synchronized actions			DWORD	PowerOn	
-						
-	2	-1, -1,-1, -1,-1, -1,-1, -1,-1, -1...	-1	255	7/2	M

21300	COUPLE_AXIS_1			C09	S3	
-	Synchr.spindle pair def, mach.axis no: follow.sp[0], lead.sp[1]			BYTE	PowerOn	
-						
-	2	0, 0,0, 0,0, 0,0, 0,0, 0,0, 0,0, 0...	0	31	7/2	M

21310	COUPLING_MODE_1			C03, C09	S3	
-	Type of coupling in synchronous spindle operation			BYTE	PowerOn	
-						
-	-	1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	0	2	7/2	M

21320	COUPLE_BLOCK_CHANGE_CTRL_1			C09	S3	
-	Block change behavior in synchronous spindle operation			BYTE	PowerOn	
-						
-	-	3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3	0	3	7/2	M

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21330	COUPLE_RESET_MODE_1			C03, C09	S3,K1	
-	Coupling abort behavior			DWORD	PowerOn	
-						
-	-	1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	0	0x3FF	7/2	M

21340	COUPLE_IS_WRITE_PROT_1			C09	S3	
-	Coupling parameters cannot be altered			BOOLEAN	PowerOn	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/2	M

21380	ESR_DELAY_TIME1			EXP, N09	M3	
s	Delay time ESR axes			DOUBLE	NEW CONF	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	-	-	7/2	M

21381	ESR_DELAY_TIME2			EXP, N09	M3	
s	ESR time for IPO controlled braking			DOUBLE	NEW CONF	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	-	-	7/2	M

2.4.2 Machine data for grinding function

21500	TRACLG_GRINDSPI_VERT_OFFSET			C07	-	
mm	Vertical position offset of grinding axis in centerless grinding			DOUBLE	PowerOn	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0....	-	-	7/2	M

21501	TRACLG_GRINDSPI_HOR_OFFSET			C07	-	
mm	Horiz. position offset of grinding axis in centerless grinding			DOUBLE	PowerOn	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0....	-	-	7/2	M

21502	TRACLG_CTRLSPI_VERT_OFFSET			C07	-	
mm	vert. position offset of regulating axis in centerless grinding			DOUBLE	PowerOn	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0....	-	-	7/2	M

21504	TRACLG_SUPPORT_VERT_OFFSET			C07	-	
mm	Vertical offset of work blade in centerless grinding			DOUBLE	PowerOn	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0....	-	-	7/2	M

21506	TRACLG_SUPPORT_HOR_OFFSET			C07	S8	
mm	Horizontal offset of work blade in centerless grinding			DOUBLE	PowerOn	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0....	-	-	7/2	M

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21508	TRACLG_VERT_DIR_SUPPORTAX_1			C07	-	
-	Vertical component of work blade direction vector for Q1			DOUBLE	PowerOn	
-						
-	-	1.,1.,1.,1.,1.,1.,1.,1.,1.,1 .,1.,1.,1....	-	-	7/2	M

21510	TRACLG_HOR_DIR_SUPPORTAX_1			C07	-	
-	Horizontal component of work blade direction vector for Q1			DOUBLE	PowerOn	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0 .,0.,0.,0....	-	-	7/2	M

21512	TRACLG_VERT_DIR_SUPPORTAX_2			C07	-	
-	Vertical component of work blade direction vector for Q2			DOUBLE	PowerOn	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0 .,0.,0.,0....	-	-	7/2	M

21514	TRACLG_HOR_DIR_SUPPORTAX_2			C07	-	
-	Horizontal component of work blade direction vector for Q2			DOUBLE	PowerOn	
-						
-	-	1.,1.,1.,1.,1.,1.,1.,1.,1.,1 .,1.,1.,1....	-	-	7/2	M

21516	TRACLG_SUPPORT_LEAD_ANGLE			C07	-	
degrees	Lead angle of work blade in centerless grinding			DOUBLE	PowerOn	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0 .,0.,0.,0....	-90.	90.	7/2	M

21518	TRACLG_CONTACT_UPPER_LIMIT			C07	-	
mm	Upper contact limit of work blade with work in centerl. grinding			DOUBLE	PowerOn	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0 .,0.,0.,0....	-	-	7/2	M

21520	TRACLG_CONTACT_LOWER_LIMIT			C07	-	
mm	Lower contact limit of work blade with work in centerl. grinding			DOUBLE	PowerOn	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0 .,0.,0.,0....	-	-	7/2	M

21522	TRACLG_GRINDSPI_NR			C07	-	
-	Definition of grinding spindle for centerless grinding			BYTE	PowerOn	
-						
-	-	2,2,2,2,2,2,2,2,2,2,2,2,2 ,2,2,2	1	20	7/2	M

21524	TRACLG_CTRLSPI_NR			C07	-	
-	Definition of regulating spindle for centerless grinding			BYTE	PowerOn	
-						
-	-	1,1,1,1,1,1,1,1,1,1,1,1,1 ,1,1,1	1	20	7/2	M

21526	TRACLG_G0_IS_SPECIAL			C07	-	
-	Special logic for G0 in centerless grinding			BOOLEAN	PowerOn	
-						
-	-	TRUE,TRUE,TRUE,TR UE,TRUE,TRUE,TRUE ...	-	-	7/2	M

2.4.3 Channel auxiliary function settings

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22000	AUXFU_ASSIGN_GROUP			C04	H2,S1	
-	Auxiliary function group			DWORD	PowerOn	
-						
-	255	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,1, 1...	1	168	7/2	M

22010	AUXFU_ASSIGN_TYPE			C04	H2,S1	
-	Auxiliary function type			STRING	PowerOn	
-						
-	255	"", "", "",

22070	AUXFU_PREDEF_VALUE			C04	H2	
-	Predefined auxiliary function value			DWORD	PowerOn	
-						
-	301	0, 1, 2, 17, 30, 6, 3, 4, 5, 19, 70, 40, 41, 42, 43, 44, 45, -1...	-	-	7/2	M

22080	AUXFU_PREDEF_SPEC			C04	H2,K1	
-	Output specification			DWORD	PowerOn	
-						
-	301	0x81, 0x81, 0x81, 0x81, 0x81, 0x21, 0x21, 0x21, 0x21, 0x21...	-	-	7/2	M

22090	AUXFU_PREDEF_SIM_TIME			C04	H2,S1	
-	Acknowledgment time			DWORD	PowerOn	
-						
-	301	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	0x7FFFFFF	7/2	M

22100	AUXFU_QUICK_BLOCKCHANGE			C04	H2	
-	Block change delay with quick auxiliary functions.			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	1	7/2	M

22110	AUXFU_H_TYPE_INT			C11, C04	H2,K1	
-	Data format of H auxiliary functions (integer/real)			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	1	7/2	M

22200	AUXFU_M_SYNC_TYPE			C04	H2,K1,2.4	
-	Output time of M functions			BYTE	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	3	7/2	M

22210	AUXFU_S_SYNC_TYPE			C04	H2,2.4	
-	Output time of S functions (see MD22200 for values)			BYTE	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	4	7/2	M

22220	AUXFU_T_SYNC_TYPE			C11, C04	H2,2.4	
-	Output time for T functions (see MD22200 for values)			BYTE	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	4	7/2	M

22230	AUXFU_H_SYNC_TYPE			C04	H2,2.4	
-	Output time for H functions (see MD22200 for values)			BYTE	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	3	7/2	M

22240	AUXFU_F_SYNC_TYPE			C04	H2,K1,V1,Z1	
-	Output time for F functions (see MD22200 for values)			BYTE	PowerOn	
-						
-	-	3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3	0	4	7/2	M

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22250	AUXFU_D_SYNC_TYPE			C04	H2	
-	Output time for D functions (see MD22200 for values)			BYTE	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	4	7/2	M

22252	AUXFU_DL_SYNC_TYPE			C04	H2	
-	Output time of DL functions			BYTE	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	4	7/2	M

22254	AUXFU_ASSOC_M0_VALUE			C01, C03, C10	H2,K1	
-	Additional M function to stop a program			DWORD	PowerOn	
-						
-	-	-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1...	-	-	7/2	M

22256	AUXFU_ASSOC_M1_VALUE			C01, C03, C10	H2	
-	Additional M function for conditional stop			DWORD	PowerOn	
-						
-	-	-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1...	-	-	7/2	M

22400	S_VALUES_ACTIVE_AFTER_RESET			C04, C03, C05	-	
-	S function active beyond RESET			BOOLEAN	PowerOn	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/2	M

22410	F_VALUES_ACTIVE_AFTER_RESET			C04, C03, C05	M3,V1	
-	F function active beyond RESET			BOOLEAN	PowerOn	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/2	M

22420	FGROUP_DEFAULT_AXES			C11	-	
-	Default setting for FGROUP command			BYTE	PowerOn	
-						
-	8	0, 0, 0, 0, 0, 0, 0, 0,0, 0, 0, 0, 0, 0, 0, 0...	-	-	7/7	U

22510	GCODE_GROUPS_TO_PLC			C04	K1,P3 pl,P3 sl	
-	G codes output at NCK-PLC interface on block change/RESET			BYTE	PowerOn	
-						
-	8	0, 0, 0, 0, 0, 0, 0, 0,0, 0, 0, 0, 0, 0, 0, 0...	-	-	7/2	M

22512	EXTERN_GCODE_GROUPS_TO_PLC			C11, C04	-	
-	Send G codes of an external NC language to PLC			BYTE	PowerOn	
-						
-	8	0, 0, 0, 0, 0, 0, 0, 0,0, 0, 0, 0, 0, 0, 0, 0...	-	-	7/2	M

22515	GCODE_GROUPS_TO_PLC_MODE			C04	-	
-	Behavior of G group transfer to PLC			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	1	7/2	M

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22530	TOCARR_CHANGE_M_CODE			C04	H2,W1	
-	M code at change of tool holder			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-99999999	99999999	7/2	M

22532	GEOAX_CHANGE_M_CODE			C04	H2,K2	
-	M code at change of geo axes			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	99999999	7/2	M

22534	TRAFO_CHANGE_M_CODE			C04	M1,H2	
-	M code at change of transformation			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	99999999	7/2	M

22550	TOOL_CHANGE_MODE			C01, C11, C04, C09	W3,K1,W1	
-	New tool compensation for M function			BYTE	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	1	7/2	M

22560	TOOL_CHANGE_M_CODE			C01, C04, C09	H2,K1,W1	
-	M function for tool change			DWORD	PowerOn	
-						
-	-	6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6	0	99999999	7/2	M

22562	TOOL_CHANGE_ERROR_MODE			C09	W1	
-	Response to tool change errors			DWORD	PowerOn	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0xFF	7/2	M

22600	SERUPRO_SPEED_MODE			EXP	K1	
-	Speed for block search run type 5			DWORD	Immediately	
-						
-	-	1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	-	-	2/2	M

22601	SERUPRO_SPEED_FACTOR			EXP	K1	
-	Speed factor for search run type 5			DOUBLE	Immediately	
-						
-	-	10.0,10.0,10.0,10.0,10.0,10.0,10.0,10.0...	1.0	-	2/2	M

22620	START_MODE_MASK_PRT			EXP, C03	M3,K1	
-	Initial setting on special starts			DWORD	Reset	
-						
-	-	0x400,0x400,0x400,0x400,0x400,0x400,0x400...	0	0xFFFF	7/2	M

22621	ENABLE_START_MODE_MASK_PRT			EXP, C03	M3,K1	
-	Enables MD22620 $MC_START_MODE_MASK_PRT			DWORD	Reset	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0x1	7/2	M

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22622	DISABLE_PLC_START			EXP	-	
-	Enable part program start via PLC			DWORD	PowerOn	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	-	-	2/2	M

22680	AUTO_IPTR_LOCK			EXP, C03	K1	
-	Disable interrupt pointer			DWORD	Reset	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0x3	7/2	M

22700	TRACE_STARTTRACE_EVENT			EXP, C06	-	
-	Diagnostic data rec. starts with event TRACE_STARTTRACE_EVENT.			STRING	PowerOn	
NBUP						
-	-		-	-	2/2	M

22702	TRACE_STARTTRACE_STEP			EXP, C06	-	
-	Conditions for start of trace recording			STRING	PowerOn	
NBUP						
-	2	,,, ,, ,, ,, ...	-	-	2/2	M

22704	TRACE_STOPTRACE_EVENT			EXP, C06	-	
-	Conditions for stop of trace recording			STRING	PowerOn	
NBUP						
-	-	CLEARCANCELALARM_M,CLEARCANCELALARM_M...	-	-	2/2	M

22706	TRACE_STOPTRACE_STEP			EXP, C06	-	
-	CommandSequenzStep with which the recording ends			STRING	PowerOn	
NBUP						
-	2	, ,, ,, ,, ,, ...	-	-	2/2	M

22708	TRACE_SCOPE_MASK			EXP, C06	-	
-	Selects the contents of the trace file			STRING	PowerOn	
NBUP						
-	-		-	-	2/2	M

22710	TRACE_VARIABLE_NAME			-	-	
-	Definition of trace data			STRING	PowerOn	
NBUP						
-	10	"BL_NR", "TR_POINT", "EV_TYPE", "EV_SRC", "CS_ASTEP"...	-	-	2/2	M

22712	TRACE_VARIABLE_INDEX			EXP, C06	-	
-	Index for trace recording data			DWORD	PowerOn	
NBUP						
-	10	0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0, 0x0...	0	0xFFFF	2/2	M

22714	MM_TRACE_DATA_FUNCTION			EXP, C02, C06	-	
-	Activating diagnostics			DWORD	PowerOn	
NBUP						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0xFFFFF	2/2	M

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22800	TRACE_COMPRESSOR_OUTPUT			EXP, C01	-	
-	Activation of trace output for compressor			BYTE	PowerOn	
NBUP						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	0/0	S

22900	STROKE_CHECK_INSIDE			EXP, C01, C11	-	
-	Direction (inside/outside) in which prot. zone 3 is effective			BOOLEAN	PowerOn	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/2	M

22910	WEIGHTING_FACTOR_FOR_SCALE			EXP, C01, C11	-	
-	Input resolution for scaling factor			BOOLEAN	PowerOn	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/2	M

22914	AXES_SCALE_ENABLE			EXP, C01, C11	-	
-	Activation for axial scaling factor (G51)			BOOLEAN	PowerOn	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/2	M

22920	EXTERN_FIXED_FEEDRATE_F1_ON			EXP, C01, C11	-	
-	Activation of fixed feedrates F1 - F9			BOOLEAN	PowerOn	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/2	M

22930	EXTERN_PARALLEL_GEOAX			EXP, C01, C11	-	
-	Assignment of a parallel channel axis to the geometry axis			BYTE	PowerOn	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0...	0	20	7/2	M

24000	FRAME_ADD_COMPONENTS			C03	K2	
-	Frame components for G58 and G59			BOOLEAN	PowerOn	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/7	U

24002	CHBFRAME_RESET_MASK			C03	K2	
-	Active channel-specific base frames after reset			DWORD	Reset	
-						
-	-	0xFFFF,0xFFFF,0xFFFF,0xFFFF,0xFFFF...	0	0xFFFF	7/2	M

24004	CHBFRAME_POWERON_MASK			C03	K2	
-	Reset channel-specific base frames after power on			DWORD	PowerOn	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0xFFFF	7/2	M

24006	CHSFRAME_RESET_MASK			C03	K2	
-	Active system frames after reset			DWORD	Reset	
-						
-	-	0x1,0x1,0x1,0x1,0x1,0x1,0x1,0x1,0x1,0x1...	0	0x00000FFF	7/2	M

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24007	CHSFRAME_RESET_CLEAR_MASK			C03	K2	
-	Deletion of system frames after reset			DWORD	Reset	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0x00000FFF	7/2	M

24008	CHSFRAME_POWERON_MASK			C03	K2	
-	Reset channel system frames after power on			DWORD	PowerOn	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0x00000FFF	7/2	M

24010	PFRAME_RESET_MODE			C03	K2	
-	Reset mode for programmable frame			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	1	7/2	M

24020	FRAME_SUPPRESS_MODE			C03	K2	
-	Positions for frame suppression			DWORD	PowerOn	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0x0000003	7/2	M

24030	FRAME_ACS_SET			C03	K2	
-	Adjustment of SZS coordinate system			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	1	7/2	M

24040	FRAME_ADAPT_MODE			C03	K2	
-	Adaptation of active frames			DWORD	PowerOn	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0x0000007	7/2	M

24050	FRAME_SAA_MODE			C03	-	
-	Saving and activating of data management frames			DWORD	PowerOn	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0x0000003	7/2	M

24080	USER_FRAME_POWERON_MASK			N01	-	
-	Parameterize properties for settable frame			DWORD	PowerOn	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0x1	7/2	M

2.4.4 Transformation definitions in channel

24100	TRAFO_TYPE_1			C07	F2,TE4,M1,K1,W1	
-	Definition of transformation 1 in channel			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

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24110	TRAFO_AXES_IN_1			C07	F2,TE4,M1,K1,W1	
-	Axis assignment for the 1st transformation in the channel			BYTE	NEW CONF	
-						
-	20	1, 2, 3, 4, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	7/7	U

24120	TRAFO_GEOAX_ASSIGN_TAB_1			C07	F2,TE4,TE4,M1,K1,W1	
-	Assignment of the geometry axes to channel axes for transformation 1			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0...	0	20	7/7	U

24130	TRAFO_INCLUDES_TOOL_1			C07	-	
-	Tool handling with 1st active transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/7	U

24200	TRAFO_TYPE_2			C07	F2,M1	
-	Definition of the 2nd transformation in the channel			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

24210	TRAFO_AXES_IN_2			C07	F2,M1	
-	Axis assignment for transformation 2			BYTE	NEW CONF	
-						
-	20	1, 2, 3, 4, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	7/7	U

24220	TRAFO_GEOAX_ASSIGN_TAB_2			C07	F2,M1	
-	Assignment of geometry axes to channel axes for transformation 2			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0,0, 0...	0	20	7/7	U

24230	TRAFO_INCLUDES_TOOL_2			C07	-	
-	Tool handling with active 2nd transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/7	U

24300	TRAFO_TYPE_3			C07	M1	
-	Definition of the 3rd transformation in the channel			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

24310	TRAFO_AXES_IN_3			C07	M1	
-	Axis assignment for transformation 3			BYTE	NEW CONF	
-						
-	20	1, 2, 3, 4, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	7/7	U

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24320	TRAFO_GEOAX_ASSIGN_TAB_3			C07	M1	
-	Assignment of geometry axes to channel axes for transformation 3			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0...	0	20	7/7	U

24330	TRAFO_INCLUDES_TOOL_3			C07	-	
-	Tool handling with active 3rd transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/7	U

24400	TRAFO_TYPE_4			C07	M1	
-	Definition of the 4th transformation in the channel			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

24410	TRAFO_AXES_IN_4			C07	F2,M1	
-	Axis assignment for the 4th transformation in the channel			BYTE	NEW CONF	
-						
-	20	1, 2, 3, 4, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	7/7	U

24420	TRAFO_GEOAX_ASSIGN_TAB_4			C07	M1	
-	Assignment of geometry axes to channel axes for transformation 4			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0...	0	20	7/7	U

24426	TRAFO_INCLUDES_TOOL_4			C07	-	
-	Tool handling with active 4th transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/7	U

24430	TRAFO_TYPE_5			C07	M1	
-	Type of transformation 5 in the channel			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

24432	TRAFO_AXES_IN_5			C07	F2	
-	Axis assignment for transformation 5			BYTE	NEW CONF	
-						
-	20	1, 2, 3, 4, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	7/7	U

24434	TRAFO_GEOAX_ASSIGN_TAB_5			C07	M1	
-	Assignment of geometry axes to channel axes for transformation 5			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0...	0	20	7/7	U

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24436	TRAFO_INCLUDES_TOOL_5			C07	-	
-	Tool handling with active 5th transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,...	-	-	7/7	U

24440	TRAFO_TYPE_6			C07	-	
-	Type of transformation 6 in the channel			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

24442	TRAFO_AXES_IN_6			C07	-	
-	Axis assignment for transformation 6			BYTE	NEW CONF	
-						
-	20	1, 2, 3, 4, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	7/7	U

24444	TRAFO_GEOAX_ASSIGN_TAB_6			C07	-	
-	Assignment of geometry axes to channel axes for transformation 6			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0, 0...	0	20	7/7	U

24446	TRAFO_INCLUDES_TOOL_6			C07	-	
-	Tool handling with active 6th transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,...	-	-	7/7	U

24450	TRAFO_TYPE_7			C07	-	
-	Type of transformation 7 in the channel			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

24452	TRAFO_AXES_IN_7			C07	-	
-	Axis assignment for transformation 7			BYTE	NEW CONF	
-						
-	20	1, 2, 3, 4, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	7/7	U

24454	TRAFO_GEOAX_ASSIGN_TAB_7			C07	-	
-	Assignment of geometry axes to channel axes for transformation 7			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0, 0...	0	20	7/7	U

24456	TRAFO_INCLUDES_TOOL_7			C07	-	
-	Tool handling with active 7th transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,...	-	-	7/7	U

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24460	TRAFO_TYPE_8			C07	F2,TE4,M1	
-	Type of transformation 8 in the channel			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

24462	TRAFO_AXES_IN_8			C07	F2	
-	Axis assignment for transformation 8			BYTE	NEW CONF	
-						
-	20	1, 2, 3, 4, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	7/7	U

24464	TRAFO_GEOAX_ASSIGN_TAB_8			C07	-	
-	Assignment of geometry axes to channel axes for transformation 8			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0...	0	20	7/7	U

24466	TRAFO_INCLUDES_TOOL_8			C07	-	
-	Tool handling with 8th active transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,...	-	-	7/7	U

24470	TRAFO_TYPE_9			C07	M1	
-	Type of transformation 9 in the channel			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

24472	TRAFO_AXES_IN_9			C07	-	
-	Axis assignment for transformation 9			BYTE	NEW CONF	
-						
-	20	1, 2, 3, 4, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	7/7	U

24474	TRAFO_GEOAX_ASSIGN_TAB_9			C07	-	
-	Assignment of geometry axes to channel axes for transformation 9			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0...	0	20	7/7	U

24476	TRAFO_INCLUDES_TOOL_9			C07	-	
-	Treatment of tool with active 9th transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,...	-	-	7/7	U

24480	TRAFO_TYPE_10			C07	F2,M1	
-	Transformation 10 in channel			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

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24482	TRAFO_AXES_IN_10			C07	F2,M1	
-	Axis assignment for transformation 10			BYTE	NEW CONF	
-						
-	20	1, 2, 3, 4, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	7/7	U

24484	TRAFO_GEOAX_ASSIGN_TAB_10			C07	M1	
-	Assignment of geometry axes to channel axes f. transformation 10			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0...	0	20	7/7	U

24486	TRAFO_INCLUDES_TOOL_10			C07	-	
-	Treatment of tool with active 10th transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/7	U

24500	TRAFO5_PART_OFFSET_1			C07	F2,M1	
mm	Offset vector of 5-axis transformation 1			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24510	TRAFO5_ROT_AX_OFFSET_1			C07	F2,M1	
degrees	Position offset of rotary axes 1/2/3 for 5-axis transformation 1			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0, 0.0,0.0, 0.0, 0.0...	-	-	7/7	U

24520	TRAFO5_ROT_SIGN_IS_PLUS_1			C07	F2,M1	
-	Sign of rotary axis 1/2/3 for 5-axis transformation 1			BOOLEAN	NEW CONF	
-						
-	3	TRUE, TRUE, TRUE,TRUE, TRUE, TRUE...	-	-	7/7	U

24530	TRAFO5_NON_POLE_LIMIT_1			C07	F2	
degrees	Definition of pole range for 5-axis transformation 1			DOUBLE	NEW CONF	
-						
-	-	2.0,2.0,2.0,2.0,2.0,2.0,2.0,2.0,2.0...	-	-	7/7	U

24540	TRAFO5_POLE_LIMIT_1			C07	F2,M1	
degrees	End angle tolerance with interpolation through pole for 5-axis transf.			DOUBLE	NEW CONF	
-						
-	-	2.0,2.0,2.0,2.0,2.0,2.0,2.0,2.0,2.0...	-	-	7/7	U

24542	TRAFO5_POLE_TOL_1			C07	-	
degrees	End angle tolerance for tool orientation			DOUBLE	NEW CONF	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	0	-	7/7	U

24550	TRAFO5_BASE_TOOL_1			C07	F2,M1,W1	
mm	Vector of base tool on activation of 5-axis transformation 1			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

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24558	TRAFO5_JOINT_OFFSET_PART_1			C07	F2,M1,W1	
mm	Vector of kinematic table offset			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24560	TRAFO5_JOINT_OFFSET_1			C07	F2,W1	
mm	Vector of the kinem.offset of the 1st 5-axis transf. in channel			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24561	TRAFO6_JOINT_OFFSET_2_3_1			C07	F2	
mm	Vector of kinematic offset			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24562	TRAFO5_TOOL_ROT_AX_OFFSET_1			C07	M1	
mm	Offset of swivel point of 1st rotary axis on 5-axis transform. 1			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24564	TRAFO5_NUTATOR_AX_ANGLE_1			C07	M1	
degrees	Nutating head angle in 5-axis transformation			DOUBLE	NEW CONF	
-						
-	-	45.0,45.0,45.0,45.0,45.0,45.0,45.0...	-89.	89.	7/7	U

24566	TRAFO5_NUTATOR_VIRT_ORIAX_1			C07	M1	
-	Virtual orientation axes			BOOLEAN	NEW CONF	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/7	U

24570	TRAFO5_AXIS1_1			C07	F2,M1,W1	
-	Direction of 1st rotary axis			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24572	TRAFO5_AXIS2_1			C07	F2,M1,W1	
-	Direction of 2nd rotary axis			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24573	TRAFO5_AXIS3_1			C07	F2	
-	Direction of the 3rd rotary axis			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24574	TRAFO5_BASE_ORIENT_1			C07	F2,M1	
-	Vector of the tool base orientation for 5-axis transformation			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

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24576	TRAFO6_BASE_ORIENT_NORMAL_1			C07	F2	
-	Normal tool vector in 6-axis transformation			DOUBLE	NEW CONF	
-						
-	3	0.0, 1.0 , 0.0,0.0, 1.0 , 0.0...	-	-	7/7	U

24580	TRAFO5_TOOL_VECTOR_1			C07	F2	
-	Direction of orientation vector for the first 5-axis transf.			BYTE	NEW CONF	
-						
-	-	2,2,2,2,2,2,2,2,2,2,2,2,2,2,2	0	2	7/2	M

24582	TRAFO5_TCARR_NO_1			C07	F2	
-	TCARR number for the 1st 5-axis transformation			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

24585	TRAFO5_ORIAX_ASSIGN_TAB_1			C07	F2,M1	
-	Orientation axis / channel axis assignment transformation 1			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0...	0	20	7/2	M

24590	TRAFO5_ROT_OFFSET_FROM_FR_1			C01, C07	F2	
-	Offset of transformation rotary axes from WO.			BOOLEAN	Immediately	
-						
-	-	FALSE,FALSE,FALSE, FALSE,FALSE,FALSE...	-	-	7/2	M

24594	TRAFO7_EXT_ROT_AX_OFFSET_1			C07	F2	
degrees	Position offset of the external rotary axes for 7-axis transformation 1			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0, 0.0,0.0, 0.0, 0.0...	-	-	7/7	U

24595	TRAFO7_EXT_AXIS1_1			C07	F2	
-	Direction of the 1st external rotary axis			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24600	TRAFO5_PART_OFFSET_2			C07	M1	
mm	Offset vector of the 2nd 5-axis transformation in the channel			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24610	TRAFO5_ROT_AX_OFFSET_2			C07	M1	
degrees	Position offset of rotary axes 1/2/3			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0, 0.0,0.0, 0.0, 0.0...	-	-	7/7	U

24620	TRAFO5_ROT_SIGN_IS_PLUS_2			C07	F2,M1	
-	Sign of rotary axis 1/2/3 for 5-axis transformation 2			BOOLEAN	NEW CONF	
-						
-	3	TRUE, TRUE, TRUE,TRUE, TRUE, TRUE...	-	-	7/7	U

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24630	TRAFO5_NON_POLE_LIMIT_2			C07	F2,M1	
degrees	Definition of pole range for 5-axis transformation 2			DOUBLE	NEW CONF	
-						
-	-	2.0,2.0,2.0,2.0,2.0,2.0,2.0,2.0,2.0...	-	-	7/7	U

24640	TRAFO5_POLE_LIMIT_2			C07	F2,M1	
degrees	End angle tolerance for tool orientation			DOUBLE	NEW CONF	
-						
-	-	2.0,2.0,2.0,2.0,2.0,2.0,2.0,2.0,2.0...	-	-	7/7	U

24642	TRAFO5_POLE_TOL_2			C07	-	
degrees	End angle tolerance for pole interpolation			DOUBLE	NEW CONF	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	0	-	7/7	U

24650	TRAFO5_BASE_TOOL_2			C07	M1,W1	
mm	Vector of base tool on activation of 5-axis transformation 2			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24658	TRAFO5_JOINT_OFFSET_PART_2			C07	M1,W1	
mm	Vector of kinematic table offset			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24660	TRAFO5_JOINT_OFFSET_2			C07	W1	
mm	Vector of the kinem.offset of the 2nd 5-axis transformation			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24661	TRAFO6_JOINT_OFFSET_2_3_2			C07	-	
mm	Vector of kinematic offset			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24662	TRAFO5_TOOL_ROT_AX_OFFSET_2			C07	M1	
mm	Offset swivel point of 2nd 5-axis transformation (swivelled linear axis)			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24664	TRAFO5_NUTATOR_AX_ANGLE_2			C07	M1	
degrees	Nutating head angle			DOUBLE	NEW CONF	
-						
-	-	45.0,45.0,45.0,45.0,45.0,45.0,45.0...	-89.	89.	7/7	U

24666	TRAFO5_NUTATOR_VIRT_ORIAX_2			C07	M1	
-	Virtual orientation axes			BOOLEAN	NEW CONF	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/7	U

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24670	TRAFO5_AXIS1_2			C07	F2,M1	
-	Direction of 1st rotary axis			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24672	TRAFO5_AXIS2_2			C07	M1	
-	Direction of 2nd rotary axis			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24673	TRAFO5_AXIS3_2			C07	-	
-	Direction of the 3rd rotary axis			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24674	TRAFO5_BASE_ORIENT_2			C07	F2,M1	
-	Basic tool orientation			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24676	TRAFO6_BASE_ORIENT_NORMAL_2			C07	-	
-	Normal tool vector			DOUBLE	NEW CONF	
-						
-	3	0.0, 1.0 , 0.0,0.0, 1.0 , 0.0...	-	-	7/7	U

24680	TRAFO5_TOOL_VECTOR_2			C07	F2	
-	Direction of orientation vector			BYTE	NEW CONF	
-						
-	-	2,2,2,2,2,2,2,2,2,2,2,2,2,2,2	0	2	7/2	M

24682	TRAFO5_TCARR_NO_2			C07	F2	
-	TCARR number for the 2nd 5-axis transformation			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

24685	TRAFO5_ORIAX_ASSIGN_TAB_2			C07	F2	
-	Orientation axis / channel axis assignment transformation 1			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0...	0	20	7/2	M

24690	TRAFO5_ROT_OFFSET_FROM_FR_2			C01, C07	-	
-	Offset of transformation rotary axes from WO.			BOOLEAN	Immediately	
-						
-	-	FALSE,FALSE,FALSE, FALSE,FALSE,FALSE...	-	-	7/2	M

24694	TRAFO7_EXT_ROT_AX_OFFSET_2			C07	F2	
degrees	Position offset of the external rotary axes for 7-axis transformation 2			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0, 0.0,0.0, 0.0, 0.0...	-	-	7/7	U

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24695	TRAFO7_EXT_AXIS1_2			C07	F2	
-	Direction of the 1st external rotary axis			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24700	TRAANG_ANGLE_1			C07	M1	
degrees	Angle between Cartesian axis and real (inclined) axis			DOUBLE	NEW CONF	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	-	-	7/7	U

24710	TRAANG_BASE_TOOL_1			C07	M1	
mm	Vector of base tool for 1st TRAANG transformation			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24720	TRAANG_PARALLEL_VELO_RES_1			C07	M1	
-	Velocity margin for 1st TRAANG transformation			DOUBLE	NEW CONF	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	0.0	1.0	7/7	U

24721	TRAANG_PARALLEL_ACCEL_RES_1			C07	M1	
-	Acceleration margin of parallel axis for the 1st TRAANG transf.			DOUBLE	NEW CONF	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	0.0	1.0	7/7	U

24750	TRAANG_ANGLE_2			C07	M1	
degrees	Angle between Cartesian axis and real (inclined) axis			DOUBLE	NEW CONF	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	-	-	7/7	U

24760	TRAANG_BASE_TOOL_2			C07	M1	
mm	Vector of base tool for 2nd TRAANG transformation			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24770	TRAANG_PARALLEL_VELO_RES_2			C07	M1	
-	Velocity margin for 2nd TRAANG transformation			DOUBLE	NEW CONF	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	0.0	1.0	7/7	U

24771	TRAANG_PARALLEL_ACCEL_RES_2			C07	M1	
-	Acceler. margin of parallel axis for the 2nd TRAANG transform.			DOUBLE	NEW CONF	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	0.0	1.0	7/7	U

24800	TRACYL_ROT_AX_OFFSET_1			C07	M1,K2	
degrees	Offset of rotary axis for the 1st TRACYL transformation			DOUBLE	NEW CONF	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	-	-	7/7	U

24805	TRACYL_ROT_AX_FRAME_1			C07	M1	
-	Rotary axis offset TRACYL 1			BYTE	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	2	7/7	U

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24808	TRACYL_DEFAULT_MODE_1			C07	M1	
-	TRACYL mode selection			BYTE	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	1	7/7	U

24810	TRACYL_ROT_SIGN_IS_PLUS_1			C07	M1	
-	Sign of rotary axis for 1st TRACYL transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,...	-	-	7/7	U

24820	TRACYL_BASE_TOOL_1			C07	M1	
mm	Vector of base tool for 1st TRACYL transformation			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24850	TRACYL_ROT_AX_OFFSET_2			C07	M1	
degrees	Offset of rotary axis for the 2nd TRACYL transformation			DOUBLE	NEW CONF	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	-	-	7/7	U

24855	TRACYL_ROT_AX_FRAME_2			C07	M1,K2	
-	Rotary axis offset TRACYL 2			BYTE	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	2	7/7	U

24858	TRACYL_DEFAULT_MODE_2			C07	M1	
-	TRACYL mode selection			BYTE	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	1	7/7	U

24860	TRACYL_ROT_SIGN_IS_PLUS_2			C07	-	
-	Sign of rotary axis for 2nd TRACYL transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,...	-	-	7/7	U

24870	TRACYL_BASE_TOOL_2			C07	M1	
mm	Vector of base tool for 2nd TRACYL transformation			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24900	TRANSMIT_ROT_AX_OFFSET_1			C07	M1	
degrees	Offset of rotary axis for the 1st TRANSMIT transformation			DOUBLE	NEW CONF	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	-	-	7/7	U

24905	TRANSMIT_ROT_AX_FRAME_1			C07	M1,K2	
-	Rotary axis offset TRANSMIT 1			BYTE	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	2	7/7	U

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24910	TRANSMIT_ROT_SIGN_IS_PLUS_1			C07	M1	
-	Sign of rotary axis for 1st TRANSMIT transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,...	-	-	7/7	U

24911	TRANSMIT_POLE_SIDE_FIX_1			C07	M1	
-	Restriction of working range in front of / behind the pole, 1. TRANSMIT			BYTE	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	2	7/7	U

24920	TRANSMIT_BASE_TOOL_1			C07	M1	
mm	Vector of base tool for 1st TRANSMIT transformation			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24950	TRANSMIT_ROT_AX_OFFSET_2			C07	M1	
degrees	Offset of rotary axis for the 2nd TRANSMIT transformation			DOUBLE	NEW CONF	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	-	-	7/7	U

24955	TRANSMIT_ROT_AX_FRAME_2			C07	M1	
-	Rotary axis offset TRANSMIT 2			BYTE	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	2	7/7	U

24960	TRANSMIT_ROT_SIGN_IS_PLUS_2			C07	M1	
-	Sign of rotary axis for 2nd TRANSMIT transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,...	-	-	7/7	U

24961	TRANSMIT_POLE_SIDE_FIX_2			C07	M1	
-	Restriction of working range before/behind the pole, 2. TRANSMIT			BYTE	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	2	7/7	U

24970	TRANSMIT_BASE_TOOL_2			C07	M1	
mm	Vector of base tool for 2nd TRANSMIT transformation			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

24995	TRACON_CHAIN_1			C07	M1	
-	Transformation grouping			DWORD	NEW CONF	
-						
-	4	0, 0, 0, 0,0, 0, 0, 0,0, 0, 0, 0...	0	20	7/7	U

24996	TRACON_CHAIN_2			C07	M1	
-	Transformation grouping			DWORD	NEW CONF	
-						
-	4	0, 0, 0 ,0,0, 0, 0, 0,0, 0, 0, 0...	0	20	7/7	U

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24997	TRACON_CHAIN_3			C07	M1	
-	Transformation grouping			DWORD	NEW CONF	
-						
-	4	0, 0, 0 ,0,0, 0, 0, 0,0, 0, 0, 0...	0	20	7/7	U

24998	TRACON_CHAIN_4			C07	M1	
-	Transformation grouping			DWORD	NEW CONF	
-						
-	4	0, 0, 0 ,0,0, 0, 0, 0,0, 0, 0, 0...	0	20	7/7	U

25100	TRAFO_TYPE_11			C07	F2	
-	Definition of the 11th transformation in the channel			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

25102	TRAFO_AXES_IN_11			C07	F2	
-	Axis assignment for transformation 11			BYTE	NEW CONF	
-						
-	20	1, 2, 3, 4, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	7/7	U

25104	TRAFO_GEOAX_ASSIGN_TAB_11			C07	F2	
-	Assignment of geometry axes to channel axes for transformation 11			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0...	0	20	7/7	U

25106	TRAFO_INCLUDES_TOOL_11			C07	M1,F2	
-	Tool handling with 11th active transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/7	U

25110	TRAFO_TYPE_12			C07	F2	
-	Definition of transformation 12 in channel			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

25112	TRAFO_AXES_IN_12			C07	F2	
-	Axis assignment for transformation 12			BYTE	NEW CONF	
-						
-	20	1, 2, 3, 4, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	7/7	U

25114	TRAFO_GEOAX_ASSIGN_TAB_12			C07	F2	
-	Assignment of geometry axes to channel axes for transformation 12			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0...	0	20	7/7	U

25116	TRAFO_INCLUDES_TOOL_12			C07	M1,F2	
-	Tool handling with 12th active transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/7	U

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25120	TRAFO_TYPE_13			C07	F2	
-	Definition of transformation 13 in channel			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

25122	TRAFO_AXES_IN_13			C07	F2	
-	Axis assignment for transformation 13			BYTE	NEW CONF	
-						
-	20	1, 2, 3, 4, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	7/7	U

25124	TRAFO_GEOAX_ASSIGN_TAB_13			C07	F2	
-	Assignment of geometry axes to channel axes for transformation 13			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0...	0	20	7/7	U

25126	TRAFO_INCLUDES_TOOL_13			C07	M1,F2	
-	Tool handling with 13th active transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/7	U

25130	TRAFO_TYPE_14			C07	F2	
-	Definition of transformation 14 in channel			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

25132	TRAFO_AXES_IN_14			C07	F2	
-	Axis assignment for transformation 14			BYTE	NEW CONF	
-						
-	20	1, 2, 3, 4, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	7/7	U

25134	TRAFO_GEOAX_ASSIGN_TAB_14			C07	F2	
-	Assignment of geometry axes to channel axes for transformation 14			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0...	0	20	7/7	U

25136	TRAFO_INCLUDES_TOOL_14			C07	M1,F2	
-	Tool handling with 14th active transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/7	U

25140	TRAFO_TYPE_15			C07	F2	
-	Definition of transformation 15 in channel			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

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25142	TRAFO_AXES_IN_15			C07	F2	
-	Axis assignment for transformation 15			BYTE	NEW CONF	
-						
-	20	1, 2, 3, 4, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	7/7	U

25144	TRAFO_GEOAX_ASSIGN_TAB_15			C07	F2	
-	Assignment of geometry axes to channel axes for transformation 15			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0, 0...	0	20	7/7	U

25146	TRAFO_INCLUDES_TOOL_15			C07	M1,F2	
-	Tool handling with 15th active transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/7	U

25150	TRAFO_TYPE_16			C07	F2	
-	Definition of transformation 16 in channel			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

25152	TRAFO_AXES_IN_16			C07	F2	
-	Axis assignment for transformation 16			BYTE	NEW CONF	
-						
-	20	1, 2, 3, 4, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	7/7	U

25154	TRAFO_GEOAX_ASSIGN_TAB_16			C07	F2	
-	Assignment of geometry axes to channel axes for transformation 16			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0, 0...	0	20	7/7	U

25156	TRAFO_INCLUDES_TOOL_16			C07	M1,F2	
-	Tool handling with 16th active transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/7	U

25160	TRAFO_TYPE_17			C07	F2	
-	Definition of transformation 17 in channel			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

25162	TRAFO_AXES_IN_17			C07	F2	
-	Axis assignment for transformation 17			BYTE	NEW CONF	
-						
-	20	1, 2, 3, 4, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	7/7	U

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25164	TRAFO_GEOAX_ASSIGN_TAB_17			C07	F2	
-	Assignment of geometry axes to channel axes for transformation 17			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0...	0	20	7/7	U

25166	TRAFO_INCLUDES_TOOL_17			C07	M1,F2	
-	Tool handling with 17th active transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/7	U

25170	TRAFO_TYPE_18			C07	F2	
-	Definition of transformation 18 in channel			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

25172	TRAFO_AXES_IN_18			C07	F2	
-	Axis assignment for transformation 18			BYTE	NEW CONF	
-						
-	20	1, 2, 3, 4, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	7/7	U

25174	TRAFO_GEOAX_ASSIGN_TAB_18			C07	F2	
-	Assignment of geometry axes to channel axes for transformation 18			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0...	0	20	7/7	U

25176	TRAFO_INCLUDES_TOOL_18			C07	M1,F2	
-	Tool handling with 18th active transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/7	U

25180	TRAFO_TYPE_19			C07	F2	
-	Definition of transformation 19 in channel			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

25182	TRAFO_AXES_IN_19			C07	F2	
-	Axis assignment for transformation 19			BYTE	NEW CONF	
-						
-	20	1, 2, 3, 4, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	7/7	U

25184	TRAFO_GEOAX_ASSIGN_TAB_19			C07	F2	
-	Assignment of geometry axes to channel axes for transformation 19			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0...	0	20	7/7	U

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25186	TRAFO_INCLUDES_TOOL_19			C07	M1,F2	
-	Tool handling with 19th active transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,...	-	-	7/7	U

25190	TRAFO_TYPE_20			C07	F2	
-	Definition of transformation 20 in channel			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

25192	TRAFO_AXES_IN_20			C07	F2	
-	Axis assignment for transformation 20			BYTE	NEW CONF	
-						
-	20	1, 2, 3, 4, 5, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	7/7	U

25194	TRAFO_GEOAX_ASSIGN_TAB_20			C07	F2	
-	Assignment of geometry axes to channel axes for transformation 20			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0, 0,0, 0...	0	20	7/7	U

25196	TRAFO_INCLUDES_TOOL_20			C07	M1,F2	
-	Tool handling with 20th active transformation			BOOLEAN	NEW CONF	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,...	-	-	7/7	U

25200	TRAFO5_PART_OFFSET_3			C07	F2	
mm	Offset vector of 5-axis transformation 3			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

25210	TRAFO5_ROT_AX_OFFSET_3			C07	F2	
degrees	Position offset of rotary axes 1/2/3 for 5-axis transformation 3			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0, 0.0,0.0, 0.0, 0.0...	-	-	7/7	U

25220	TRAFO5_ROT_SIGN_IS_PLUS_3			C07	F2	
-	Sign of rotary axis 1/2/3 for 5-axis transformation 3			BOOLEAN	NEW CONF	
-						
-	3	TRUE, TRUE, TRUE,TRUE, TRUE, TRUE...	-	-	7/7	U

25230	TRAFO5_NON_POLE_LIMIT_3			C07	F2	
degrees	Definition of pole range for 5-axis transformation 3			DOUBLE	NEW CONF	
-						
-	-	2.0,2.0,2.0,2.0,2.0,2.0,2.0,2.0,2.0,2.0...	-	-	7/7	U

25240	TRAFO5_POLE_LIMIT_3			C07	F2	
degrees	End angle tolerance with interpolation through pole for 5-axis transf.			DOUBLE	NEW CONF	
-						
-	-	2.0,2.0,2.0,2.0,2.0,2.0,2.0,2.0,2.0,2.0...	-	-	7/7	U

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25242	TRAFO5_POLE_TOL_3			C07	-	
degrees	End angle tolerance for tool orientation			DOUBLE	NEW CONF	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	-	-	7/7	U

25250	TRAFO5_BASE_TOOL_3			C07	F2	
mm	Vector of base tool on activation of 5-axis transformation 3			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

25258	TRAFO5_JOINT_OFFSET_PART_3			C07	F2	
mm	Vector of kinematic table offset			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

25260	TRAFO5_JOINT_OFFSET_3			C07	F2	
mm	Vector of the kinem.offset of the 3rd 5-axis transf. in channel			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

25261	TRAFO6_JOINT_OFFSET_2_3_3			C07	-	
mm	Vector of kinematic offset			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

25262	TRAFO5_TOOL_ROT_AX_OFFSET_3			C07	F2	
mm	Offset of swivel point of the rotary axis on the 3rd 5-axis transformation			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

25264	TRAFO5_NUTATOR_AX_ANGLE_3			C07	F2	
degrees	Nutating head angle in 5-axis transformation			DOUBLE	NEW CONF	
-						
-	-	45.0,45.0,45.0,45.0,45.0,45.0,45.0...	-89.	89.	7/7	U

25266	TRAFO5_NUTATOR_VIRT_ORIAX_3			C07	-	
-	Virtual orientation axes			BOOLEAN	NEW CONF	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/7	U

25270	TRAFO5_AXIS1_3			C07	F2	
-	Direction of 1st rotary axis			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

25272	TRAFO5_AXIS2_3			C07	F2	
-	Direction of 2nd rotary axis			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

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25273	TRAFO5_AXIS3_3			C07	-	
-	Direction of the 3rd rotary axis			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

25274	TRAFO5_BASE_ORIENT_3			C07	-	
-	Vector of the tool base orientation for 5-axis transformation			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

25276	TRAFO6_BASE_ORIENT_NORMAL_3			C07	-	
-	Normal tool vector in 6-axis transformation			DOUBLE	NEW CONF	
-						
-	3	0.0, 1.0 , 0.0,0.0, 1.0 , 0.0...	-	-	7/7	U

25280	TRAFO5_TOOL_VECTOR_3			C07	F2	
-	Direction of orientation vector for the first 5-axis transf.			BYTE	NEW CONF	
-						
-	-	2,2,2,2,2,2,2,2,2,2,2,2,2,2,2	0	2	7/2	M

25282	TRAFO5_TCARR_NO_3			C07	-	
-	TCARR number for the 3rd 5-axis transformation			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

25285	TRAFO5_ORIAX_ASSIGN_TAB_3			C07	F2	
-	Orientation axis / channel axis assignment transformation 3			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0...	0	20	7/2	M

25290	TRAFO5_ROT_OFFSET_FROM_FR_3			C01, C07	-	
-	Offset of transformation rotary axes from WO.			BOOLEAN	Immediately	
-						
-	-	FALSE,FALSE,FALSE, FALSE,FALSE,FALSE...	-	-	7/2	M

25294	TRAFO7_EXT_ROT_AX_OFFSET_3			C07	F2	
degrees	Position offset of the external rotary axes for 7-axis transformation 3			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0, 0.0,0.0, 0.0, 0.0...	-	-	7/7	U

25295	TRAFO7_EXT_AXIS1_3			C07	F2	
-	Direction of the 1st external rotary axis			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

25300	TRAFO5_PART_OFFSET_4			C07	F2	
mm	Offset vector of 5-axis transformation 4			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

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25310	TRAFO5_ROT_AX_OFFSET_4			C07	F2	
degrees	Position offset of rotary axes 1/2/3 for 5-axis transformation 4			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0, 0.0,0.0, 0.0, 0.0...	-	-	7/7	U

25320	TRAFO5_ROT_SIGN_IS_PLUS_4			C07	F2	
-	Sign of rotary axis 1/2/3 for 5-axis transformation 4			BOOLEAN	NEW CONF	
-						
-	3	TRUE, TRUE, TRUE,TRUE, TRUE, TRUE...	-	-	7/7	U

25330	TRAFO5_NON_POLE_LIMIT_4			C07	F2	
degrees	Definition of pole range for 5-axis transformation 4			DOUBLE	NEW CONF	
-						
-	-	2.0,2.0,2.0,2.0,2.0,2.0,2.0,2.0,2.0...	-	-	7/7	U

25340	TRAFO5_POLE_LIMIT_4			C07	F2	
degrees	End angle tolerance with interpolation through pole for 5-axis transf.			DOUBLE	NEW CONF	
-						
-	-	2.0,2.0,2.0,2.0,2.0,2.0,2.0,2.0,2.0...	-	-	7/7	U

25342	TRAFO5_POLE_TOL_4			C07	-	
degrees	End angle tolerance for tool orientation			DOUBLE	NEW CONF	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0...	-	-	7/7	U

25350	TRAFO5_BASE_TOOL_4			C07	F2	
mm	Vector of base tool on activation of 5-axis transformation 4			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

25358	TRAFO5_JOINT_OFFSET_PART_4			C07	F2	
mm	Vector of kinematic table offset			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

25360	TRAFO5_JOINT_OFFSET_4			C07	F2	
mm	Vector of the kinem.offset of the 4th 5-axis transf. in channel			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

25361	TRAFO6_JOINT_OFFSET_2_3_4			C07	-	
mm	Vector of kinematic offset			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

25362	TRAFO5_TOOL_ROT_AX_OFFSET_4			C07	F2	
mm	Offset of swivel point of the rotary axis on the 4th 5-axis transformation			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

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25364	TRAFO5_NUTATOR_AX_ANGLE_4			C07	F2	
degrees	Nutating head angle in 5-axis transformation			DOUBLE	NEW CONF	
-						
-	-	45.0,45.0,45.0,45.0,45.0,45.0,45.0...	-89.	89.	7/7	U

25366	TRAFO5_NUTATOR_VIRT_ORIAX_4			C07	-	
-	Virtual orientation axes			BOOLEAN	NEW CONF	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/7	U

25370	TRAFO5_AXIS1_4			C07	F2	
-	Direction of 1st rotary axis			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

25372	TRAFO5_AXIS2_4			C07	F2	
-	Direction of 2nd rotary axis			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

25373	TRAFO5_AXIS3_4			C07	-	
-	Direction of the 3rd rotary axis			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

25374	TRAFO5_BASE_ORIENT_4			C07	-	
-	Vector of the tool base orientation for 5-axis transformation			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

25376	TRAFO6_BASE_ORIENT_NORMAL_4			C07	-	
-	Normal tool vector in 6-axis transformation			DOUBLE	NEW CONF	
-						
-	3	0.0, 1.0 , 0.0,0.0, 1.0 , 0.0...	-	-	7/7	U

25380	TRAFO5_TOOL_VECTOR_4			C07	F2	
-	Direction of orientation vector for the first 5-axis transf.			BYTE	NEW CONF	
-						
-	-	2,2,2,2,2,2,2,2,2,2,2,2,2,2,2	0	2	7/2	M

25382	TRAFO5_TCARR_NO_4			C07	-	
-	TCARR number for the 4th 5-axis transformation			DWORD	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

25385	TRAFO5_ORIAX_ASSIGN_TAB_4			C07	F2	
-	Orientation axis / channel axis assignment transformation 4			BYTE	NEW CONF	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0...	0	20	7/2	M

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25390	TRAFO5_ROT_OFFSET_FROM_FR_4			C01, C07	-	
-	Offset of transformation rotary axes from WO.			BOOLEAN	Immediately	
-						
-	-	FALSE,FALSE,FALSE, FALSE,FALSE,FALSE..	-	-	7/2	M

25394	TRAFO7_EXT_ROT_AX_OFFSET_4			C07	F2	
degrees	Position offset of the external rotary axes for 7-axis transformation 4			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0, 0.0,0.0, 0.0, 0.0...	-	-	7/7	U

25395	TRAFO7_EXT_AXIS1_4			C07	F2	
-	Direction of the 1st external rotary axis			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0 , 0.0,0.0, 0.0 , 0.0...	-	-	7/7	U

25495	TRACON_CHAIN_5			C07	M1	
-	Transformation grouping			DWORD	NEW CONF	
-						
-	4	0, 0, 0 ,0,0, 0, 0, 0,0, 0, 0, 0...	0	20	7/7	U

25496	TRACON_CHAIN_6			C07	M1	
-	Transformation grouping			DWORD	NEW CONF	
-						
-	4	0, 0, 0 ,0,0, 0, 0, 0,0, 0, 0, 0...	0	20	7/7	U

25497	TRACON_CHAIN_7			C07	M1	
-	Transformation grouping			DWORD	NEW CONF	
-						
-	4	0, 0, 0 ,0,0, 0, 0, 0,0, 0, 0, 0...	0	20	7/7	U

25498	TRACON_CHAIN_8			C07	M1	
-	Transformation grouping			DWORD	NEW CONF	
-						
-	4	0, 0, 0 ,0,0, 0, 0, 0,0, 0, 0, 0...	0	20	7/7	U

2.4.5 Punching and nibbling

26000	PUNCHNIB_ASSIGN_FASTIN			C01, C09	N4	
-	Hardware assignment for input byte for stroke control			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/2	M

26002	PUNCHNIB_ASSIGN_FASTOUT			C01, C09	N4	
-	Hardware assignment for output byte for stroke control			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/2	M

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26004	NIBBLE_PUNCH_OUTMASK			C01, C09	N4	
-	Mask for fast output bits			BYTE	PowerOn	
-						
-	8	1, 0, 0, 0, 0, 0, 0, 0,0, 0, 0, 0, 0, 0, 0, 0...	-	-	7/2	M

26006	NIBBLE_PUNCH_INMASK			C01, C09	N4	
-	Mask for fast input bits			BYTE	PowerOn	
-						
-	8	1, 0, 0, 0, 0, 0, 0, 0,0, 0, 0, 0, 0, 0, 0, 0...	-	-	7/2	M

26008	NIBBLE_PUNCH_CODE			C09	H2,K1	
-	Definition of M functions			DWORD	PowerOn	
-						
-	8	0,23,22, 25, 26, 0, 0, 0,0, 0, 0, 0, 0, 0, 0, 0...	-	-	7/2	M

26010	PUNCHNIB_AXIS_MASK			C09	N4	
-	Definition of punching and nibbling axes			DWORD	PowerOn	
-						
-	-	7,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/2	M

26012	PUNCHNIB_ACTIVATION			C09	K1	
-	Activation of punching and nibbling functions			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/2	M

26014	PUNCH_PATH_SPLITTING			C09	N4	
-	Activation of automatic path segmentation			DWORD	PowerOn	
-						
-	-	2,2,2,2,2,2,2,2,2,2,2,2,2,2,2	-	-	7/2	M

26016	PUNCH_PARTITION_TYPE			C09	N4	
-	Behavior of individual axes with automatic path segmentation			DWORD	PowerOn	
-						
-	-	1,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/2	M

26018	NIBBLE_PRE_START_TIME			C09	N4	
s	Delay time for nibbling/punching with G603			DOUBLE	PowerOn	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0....	-	-	7/2	M

26020	NIBBLE_SIGNAL_CHECK			C09	N4	
-	Alarm on chattering punching signal			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/2	M

27100	ABSBLOCK_FUNCTION_MASK			N01	K1,P1	
-	Parameterize basic blocks with absolute values			DWORD	PowerOn	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0x1	7/2	M

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27200	MMC_INFO_NO_UNIT			EXP, -	-	
-	HMI info (without physical unit)			DOUBLE	PowerOn	
-						
-	80	45., 2., 0., 1., 0., -1., 0., 1., 100., 1., 1., 0., 0., 0., 0....	-	-	0/2	S

27201	MMC_INFO_NO_UNIT_STATUS			EXP, -	-	
-	HMI status info (without physical unit)			BYTE	PowerOn	
-						
-	80	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1...	-	-	0/2	S

27202	MMC_INFO_POSN_LIN			EXP, -	-	
mm	HMI info (linear positions)			DOUBLE	PowerOn	
-						
-	50	0., 0., 1., 1., 0., 0., 100., 0., 0., 1000., 1., 1....	-	-	0/2	S

27203	MMC_INFO_POSN_LIN_STATUS			EXP, -	-	
-	HMI status info (linear positions)			BYTE	PowerOn	
-						
-	50	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1...	-	-	0/2	S

27204	MMC_INFO_VELO_LIN			EXP, -	-	
mm/min	HMI info (linear velocities)			DOUBLE	PowerOn	
-						
-	16	10., 10., 2000., 10000., 300., 1000., 1000., 10., 0.,0.,0.,0....	-	-	0/2	S

27205	MMC_INFO_VELO_LIN_STATUS			EXP, -	-	
-	HMI status info (linear velocities)			BYTE	PowerOn	
-						
-	16	1,1,1,1,1,1,1,1,0,0,0,0,0,0,0,0...	-	-	0/2	S

27206	MMC_INFO_CUT_SPEED			EXP, -	-	
m/min	HMI info (cutting speed)			DOUBLE	PowerOn	
-						
-	5	100.,0.,0.,0.,0.,100.,0.,0.,0.,0....	-	-	0/2	S

27207	MMC_INFO_CUT_SPEED_STATUS			EXP, -	-	
-	HMI status info (cutting speed)			BYTE	PowerOn	
-						
-	5	1,0,0,0,0,1,0,0,0,0,1,0,0,0,0...	-	-	0/2	S

27208	MMC_INFO_REV_FEED			EXP, -	-	
mm/rev	HMI info (feed)			DOUBLE	PowerOn	
-						
-	10	1.,0.100,1.,1.,0.,0.,0.,0.,0.,0....	-	-	0/2	S

27209	MMC_INFO_REV_FEED_STATUS			EXP, -	-	
-	HMI status info (feed)			BYTE	PowerOn	
-						
-	10	1,1,1,1,0,0,0,0,0,0,1,1,1,1,0,0,0,0,0,0...	-	-	0/2	S

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27400	OEM_CHAN_INFO			A01, A11	-	
-	OEM version information			STRING	PowerOn	
-						
-	3	, , ,, , ,, , ...	-	-	7/2	M

27800	TECHNOLOGY_MODE			C09	A2,K1	
-	Mode of technology in channel			BYTE	NEW CONF	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	0/0	M

27850	PROG_NET_TIMER_MODE			C09	-	
-	Impact of the program runtime net counter			DWORD	Reset	
-						
-	-	0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00...	0x00	0x03	7/2	M

27860	PROCESSTIMER_MODE			C09	K1	
-	Activation and impact of program runtime measurement			DWORD	Reset	
-						
-	-	0x00,0x00,0x00,0x00,0x00,0x00,0x00,0x00...	0	0x7FF	7/2	M

27880	PART_COUNTER			C09	K1	
-	Activation of workpiece counter			DWORD	Reset	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0x0FFFF	7/2	M

27882	PART_COUNTER_MCODE			C09	K1	
-	Workpiece counting with user-defined M command			BYTE	PowerOn	
-						
-	3	2, 2, 2,2, 2, 2,2, 2, 2,2, 2, 2...	0	99	7/2	M

27900	REORG_LOG_LIMIT			EXP, C02	-	
-	Percentage of IPO buffer for enabling log file			BYTE	PowerOn	
-						
-	-	1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	-	-	0/0	S

27920	TIME_LIMIT_NETTO_INT_TASK			EXP, C01	-	
s	Runtime limit of interpreter subtask			DOUBLE	PowerOn	
-						
-	-	0.005,0.005,0.005,0.005,0.005,0.005...	0.001	0.100	7/0	S

2.4.6 Channel-specific memory settings

28000	MM_REORG_LOG_FILE_MEM			EXP, C02	V2,K1	
-	Memory space for REORG (DRAM)			DWORD	PowerOn	
-						
-	-	50,50,50,50,50,50,50,50,50,50,50,50...	1	500	7/2	M

28010	MM_NUM_REORG_LUD_MODULES			EXP, C02	V2,K1	
-	Number of blocks for local user variables in REORG (DRAM)			DWORD	PowerOn	
-						
-	-	8,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8	0	SLMAXNUMBER OF_USERMODU LES	7/2	M

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28020	MM_NUM_LUD_NAMES_TOTAL			C02	V2,K1	
-	Number of local user variables (DRAM)			DWORD	PowerOn	
-						
-	-	1200,1200,1200,1200,1200,1200,1200...	0	32000	7/2	M

28040	MM_LUD_VALUES_MEM			C02	V2,K1	
-	Memory space for local user variables (DRAM)			DWORD	PowerOn	
-						
-	-	250,250,250,250,250,250,250,250...	0	32000	7/2	M

28050	MM_NUM_R_PARAM			C02	K1	
-	Number of channel-specific R parameters (SRAM)			DWORD	PowerOn	
-						
-	-	100,100,100,100,100,100,100,100...	0	32535	7/2	M

28060	MM_IPO_BUFFER_SIZE			C02	B1,K1	
-	Number of NC blocks in IPO buffer (DRAM)			DWORD	PowerOn	
-						
-	-	10,10,10,10,10,10,10,10,10,10...	2	1000	7/2	M

28070	MM_NUM_BLOCKS_IN_PREP			EXP, C02	B1,K1	
-	Number of blocks for block preparation (DRAM)			DWORD	PowerOn	
-						
-	-	50,50,50,50,50,50,50,50,50,50...	20	500	7/2	M

28080	MM_NUM_USER_FRAMES			C11, C02	K1,K2	
-	Number of settable frames (SRAM)			DWORD	PowerOn	
-						
-	-	5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5	5	100	7/2	M

28081	MM_NUM_BASE_FRAMES			C02	M5,K2	
-	Number of base frames (SRAM)			DWORD	PowerOn	
-						
-	-	1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	0	16	7/2	M

28082	MM_SYSTEM_FRAME_MASK			C02	M5,K2,W1	
-	System frames (SRAM)			DWORD	PowerOn	
-						
-	-	0x21,0x21,0x21,0x21,0x21,0x21,0x21,0x21...	0	0x00000FFF	7/2	S

28083	MM_SYSTEM_DATAFRAME_MASK			C02	-	
-	System frames (SRAM)			DWORD	PowerOn	
-						
-	-	0xF9F,0xF9F,0xF9F,0xF9F,0xF9F,0xF9F,0xF9F...	0	0x00000FFF	7/2	S

28085	MM_LINK_TOA_UNIT			C02, C09	FBW,S7	
-	Assignment of a TO unit to a channel (SRAM)			DWORD	PowerOn	
-						
-	-	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16	1	10	7/2	M

28090	MM_NUM_CC_BLOCK_ELEMENTS			EXP, C02	TE1,TE7,TE8,K1	
-	Number of block elements for compile cycles (DRAM)			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	130	7/1	M

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28100	MM_NUM_CC_BLOCK_USER_MEM			EXP, C02	TE1,TE7,TE8,K1	
-	Size of block memory for compile cycles (DRAM), in KB			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	64000	7/1	M

28105	MM_NUM_CC_HEAP_MEM			EXP, C02	TE7	
-	Heap memory in kbytes for compile-cycle applications (DRAM)			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	64000	7/2	M

28150	MM_NUM_VDIVAR_ELEMENTS			C02	A2,P3 pl,P3 sl	
-	Number of elements for writing PLC variables			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	32000	7/2	M

28160	MM_NUM_LINKVAR_ELEMENTS			C02	B3	
-	Number of elements for writing NCU-link variables			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	32000	7/2	M

28180	MM_MAX_TRACE_DATAPOINTS			EXP, C02, C06	-	
-	Length of the trace data buffer			DWORD	PowerOn	
NBUP						
-	-	100,100,100,100,100,100,100,100,100,100...	0	20000	2/2	M

28200	MM_NUM_PROTECT_AREA_CHAN			C02, C06, C09	A3	
-	Number of files for channel-specific protection zones (SRAM)			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	10	7/2	M

28210	MM_NUM_PROTECT_AREA_ACTIVE			C11, C02, C06, C09	A3	
-	Number of simultaneously active protection zones in one channel			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	10	7/2	M

28212	MM_NUM_PROTECT_AREA_CONTOUR			C11, C02, C06, C09	A3	
-	Elements for active protection zones (DRAM)			DWORD	PowerOn	
-						
-	-	30,30,30,30,30,30,30,30,30,30,30,30,30,30,30,30...	0	50	7/2	M

28240	MM_NUM_SYNC_DIAG_ELEMENTS			N05, C02	-	
-	Number of diagnostic elements for expressions in synchronized actions			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	32000	7/2	M

28241	MAXNUM_SYNC_DIAG_VAR			N05	-	
-	Maximum number of diagnostics variables per synchronized action			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	10000	7/2	M

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28250	MM_NUM_SYNC_ELEMENTS			C02, -	2.8,6.1	
-	Number of elements for expressions in synchronized actions			DWORD	PowerOn	
-						
-	-	159,159,159,159,159,159,159,159,159,159...	0	32000	7/2	M

28251	MM_NUM_SAFE_SYNC_ELEMENTS			C02, -	-	
-	Number of elements for expressions in Safety synchr. actions			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	32000	7/2	M

28252	MM_NUM_FCTDEF_ELEMENTS			C02	2.4,2.8,6.1	
-	Number of FCTDEF elements			DWORD	PowerOn	
-						
-	-	3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3	0	100	7/2	M

28253	MM_NUM_SYNC_STRINGS			C02, -	-	
-	Number of strings for expressions in synchronized actions			DWORD	PowerOn	
-						
-	-	100,100,100,100,100,100,100,100,100,100...	0	32000	7/2	M

28254	MM_NUM_AC_PARAM			C02	-	
-	Dimension of $AC_PARAM.			DWORD	PowerOn	
-						
-	-	50,50,50,50,50,50,50,50,50,50...	0	20000	7/2	M

28255	MM_BUFFERED_AC_PARAM			C02	2.3,6.1	
-	$AC_PARAM[] is stored in SRAM.			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	1	7/2	M

28256	MM_NUM_AC_MARKER			C02	2.3,6.1	
-	Dimension of $AC_MARKER			DWORD	PowerOn	
-						
-	-	8,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8,8	0	20000	7/2	M

28257	MM_BUFFERED_AC_MARKER			C02	2.3,6.1	
-	$AC_MARKER[] is stored in SRAM.			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	1	7/2	M

28258	MM_NUM_AC_TIMER			C02	2.3,2.4,6.1	
-	Number of time variables $AC_TIMER (DRAM)			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	10000	7/2	M

28260	NUM_AC_FIFO			C01	2.3,2.4,6.1	
-	Number of FIFO variable for synchronized actions			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	10	7/2	M

28262	START_AC_FIFO			C01	2.3,2.4,6.1	
-	FIFO variables store from R parameter			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	32535	7/2	M

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28264	LEN_AC_FIFO			C01	2.3,2.4,6.1,M5	
-	Length of FIFO variables AC_FIFO1-AC_FIFO10			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	32535	7/2	M

28266	MODE_AC_FIFO			C01	2.3,2.4,6.1	
-	Mode of FIFO processing			BYTE	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	-	7/2	M

28274	MM_NUM_AC_SYSTEM_PARAM			EXP, C02	-	
-	Number of $AC_SYSTEM_ PARAM for motion-synchronous actions			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	20000	7/2	M

28276	MM_NUM_AC_SYSTEM_MARKER			EXP, C02	-	
-	Number of $AC_SYSTEM_MARKER for motion-synchronous actions			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	20000	7/2	M

28290	MM_SHAPED_TOOLS_ENABLE			C01, C08, C02	-	
-	Enable tool radius compensation for contour tools			BOOLEAN	PowerOn	
-						
-	-	FALSE,FALSE,FALSE, FALSE,FALSE,FALSE...	-	-	7/0	S

28300	MM_PROTOC_USER_ACTIVE			C02	-	
-	Activation of logging for a user			BOOLEAN	PowerOn	
-						
-	10	TRUE, FALSE, FALSE, FALSE, FALSE, TRUE, TRUE, TRUE, FALSE...	-	-	1/1	M

28301	MM_PROTOC_NUM_ETP_OEM_TYP			C02	-	
-	Number of OEM event types ETP.			DWORD	PowerOn	
-						
-	10	0, 0, 0, 0, 0, 0, 0, 0, 0, 0...	0	20	1/1	M

28302	MM_PROTOC_NUM_ETP_STD_TYP			C02	-	
-	Number of standard event types ETP			DWORD	PowerOn	
-						
-	10	28, 0, 0, 0, 0, 20, 20, 20, 0, 3...	0	59	1/1	M

28400	MM_ABSBLOCK			EXP, C02	K1	
-	Activate basic blocks with absolute values			DWORD	PowerOn	
-						
-	-	1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	0	512	7/2	M

28402	MM_ABSBLOCK_BUFFER_CONF			EXP, C02	K1	
-	Setting of upload buffer size			DWORD	PowerOn	
-						
-	2	2, 4,2, 4,2, 4,2, 4,2, 4,2, 4,2, 4...	0	32000	7/2	M

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28450	MM_TOOL_DATA_CHG_BUFF_SIZE			-, C02, C06	-	
-	Buffer for tool data changes (DRAM)			DWORD	PowerOn	
-						
-	-	100,100,100,100,100,100,100,100,100,100...	0	2500	7/2	M

28500	MM_PREP_TASK_STACK_SIZE			EXP, C02	K1	
-	Stack size of preparation task (DRAM)			DWORD	PowerOn	
-						
-	-	70,70,70,70,70,70,70,70,70,70,70,70,70,70...	70	500	0/0	S

28502	MM_INT_TASK_STACK_SIZE			EXP, C02	-	
-	Stack size for interpreter subtask (kB).			DWORD	PowerOn	
-						
-	-	20,20,20,20,20,20,20,20,20,20,20,20,20,20...	20	40	0/0	S

28520	MM_MAX_AXISPOLY_PER_BLOCK			C02	B1	
-	maximal number of axial polynomials per block			DWORD	PowerOn	
-						
-	-	3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3	1	5	7/2	M

28530	MM_PATH_VELO_SEGMENTS			C02	A2,B1	
-	Number of memory elements for path velocity limitation			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	100	7/2	M

28533	MM_LOOKAH_FFORM_UNITS			C02	-	
-	Memory for extended LookAhead			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	100000	7/2	M

28535	MM_FEED_PROFILE_SEGMENTS			C02	-	
-	Number of memory element for feed profiles			DWORD	PowerOn	
-						
-	-	1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	1	10	7/2	M

28540	MM_ARCLENGTH_SEGMENTS			C02	B1	
-	Number of memory elements for arc length function representation			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	100	7/2	M

28560	MM_SEARCH_RUN_RESTORE_MODE			C02	K2	
-	Data restore after simulation			DWORD	PowerOn	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0x00000001	7/2	M

28580	MM_ORIPATH_CONFIG			C02	-	
-	Setting for ORIPATH path-relative orientation			BYTE	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	1	1/1	M

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28590	MM_ORISON_BLOCKS			C02	-	
-	Setting for orientation smoothing			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	-	1/1	M

28600	MM_NUM_WORKAREA_CS_GROUPS			C02	-	
-	Number of coordinate system-specific operating range limits			DWORD	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	10	7/2	M

28610	MM_PREPDYN_BLOCKS			C02	-	
-	Number of blocks for velocity preparation			BYTE	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	30	1/1	M

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2.5 Axis-specific machine data

Number	Identifier			Display filters	Reference	
Unit	Name			Data type	Active	
Attributes						
System	Dimension	Default value	Minimum value	Maximum value	Protection	Class

2.5.1 Configuration

30100	CTRLOUT_SEGMENT_NR			EXP, A01	G2,S9	
-	Setpoint assignment: bus segment number			BYTE	PowerOn	
-						
-	1	5	5	5	-1/2	M

30110	CTRLOUT_MODULE_NR			A01, A11, -	G2,S9	
-	Setpoint assignment: module number			BYTE	PowerOn	
-						
-	1	1,2,3,4,5,6,7,8,9,10,11, 12,13,14,15,16,17,18...	1	31	7/2	M

30120	CTRLOUT_NR			EXP, A01, -	G2	
-	Setpoint assignment: Setpoint output on drive submodule/module			BYTE	PowerOn	
-						
-	1	1,1,1,1,1,1,1,1,1,1,1,1,1 ,1,1,1,1,1,1,1,1,1,1,1, 1...	1	3	2/2	M

30130	CTRLOUT_TYPE			A01, A11	G2,M3,S9	
-	Output type of setpoint			BYTE	PowerOn	
-						
-	1	0	0	3	7/2	M

30132	IS_VIRTUAL_AX			A01	M3,TE1,TE3	
-	Axis is a virtual axis			BOOLEAN	PowerOn	
CTEQ						
-	1	FALSE	-	-	7/2	M

30134	IS_UNIPOLAR_OUTPUT			A01	G2	
-	Setpoint output is unipolar			BYTE	PowerOn	
-						
-	1	0	0	2	7/2	M

30200	NUM_ENCS			A01, A02, -	G2,R1,Z1	
-	Number of encoders			BYTE	PowerOn	
-						
-	-	1	0	2	7/2	M

30210	ENC_SEGMENT_NR			EXP, A01, A02	G2	
-	Actual value assignment: bus segment number.			BYTE	PowerOn	
-						
-	2	5, 5	5	5	-1/2	M

30220	ENC_MODULE_NR			A01, A02, A11	G2	
-	Actual value assignment: Drive number/measuring circuit number			BYTE	PowerOn	
-						
-	2	1, 1,2, 2,3, 3,4, 4,5, 5,6, 6,7, 7...	1	31	7/2	M

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30230	ENC_INPUT_NR			A01, A02, A11, -	G2,S9	
-	Actual value assignm.: Input on drive module/meas. circuit board			BYTE	PowerOn	
-						
-	2	1, 2,1, 2,1, 2,1, 2,1, 2,1, 2,1, 2...	1	2	7/2	M

30240	ENC_TYPE			A01, A02, A11, -	A3,,G2,R1	
-	Encoder type of actual value sensing (actual position value).			BYTE	PowerOn	
-						
-	2	0, 0	0	5	7/2	M

30242	ENC_IS_INDEPENDENT			A02, A11, -	G2,R1	
-	Encoder is independent			BYTE	NEW CONF	
-						
-	2	0, 0	0	3	7/2	M

30244	ENC_MEAS_TYPE			A01, A02, A11	-	
-	Encoder measurement type			BYTE	PowerOn	
-						
-	2	1, 1	0	1	7/2	S

30250	ACT_POS_ABS			EXP, A02, A08	R1	
-	Internal encoder position			DOUBLE	PowerOn	
ODLD, -, -						
-	2	0.0, 0.0	-	-	7/2	I

30260	ABS_INC_RATIO			EXP, A01, A02	-	
-	Absolute encoder: Ratio of absolute to incremental resolution			DWORD	PowerOn	
-						
-	2	4, 4	-	-	7/2	M

30270	ENC_ABS_BUFFERING			EXP, A01, A02	R1	
-	Absolute encoder: Traversing range extension			BYTE	PowerOn	
-						
-	2	0, 0	0	1	7/2	M

30300	IS_ROT_AX			A01, A06, A11, -	G1,K3,R2,T1,G2,K2,R1,S1,V1	
-	Rotary axis / spindle			BOOLEAN	PowerOn	
SCAL, CTEQ						
-	-	FALSE,FALSE,FALSE, FALSE,FALSE,FALSE.. -	-	-	7/2	M

30310	ROT_IS_MODULO			A01, A06, A11, -	TE3,K3,R2,T1,A3,R1,R2,S1	
-	Modulo conversion for rotary axis / spindle			BOOLEAN	PowerOn	
CTEQ						
-	-	FALSE,FALSE,FALSE, FALSE,FALSE,FALSE.. -	-	-	7/2	M

30320	DISPLAY_IS_MODULO			A01, A06, A11	R2,T1,K2	
-	Modulo 360 degrees displayed for rotary axis or spindle.			BOOLEAN	PowerOn	
CTEQ						
-	-	FALSE,FALSE,FALSE, FALSE,FALSE,FALSE.. -	-	-	7/2	M

30330	MODULO_RANGE			EXP, A01, -	R2,T1,R1	
degrees	Size of modulo range.			DOUBLE	Reset	
CTEQ						
-	-	360.0	1.0	360000000.0	7/2	M

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30340	MODULO_RANGE_START			EXP, A01	R1,R2	
degrees	Modulo range start position			DOUBLE	Reset	
CTEQ						
-	-	0.0	-	-	7/2	M

30350	SIMU_AX_VDI_OUTPUT			A01, A06	A2,G2,Z1	
-	Axis signals output for simulation axes			BOOLEAN	PowerOn	
CTEQ						
-	-	FALSE	-	-	7/2	M

30450	IS_CONCURRENT_POS_AX			EXP, A01	G1	
-	Default for reset: neutral/channel axis			BOOLEAN	Reset	
CTEQ						
-	-	FALSE	-	-	7/2	M

30455	MISC_FUNCTION_MASK			A06, A10	R2,S3,R1	
-	Axis functions			DWORD	Reset	
CTEQ						
-	-	0x00	0	0x1ff	7/2	M

30460	BASE_FUNCTION_MASK			A01	K5,P2,P1	
-	Axis functions			DWORD	PowerOn	
CTEQ						
-	-	0x00	0	0x1FF	7/2	M

30465	AXIS_LANG_SUB_MASK			N01	K1	
-	Substitution of NC language commands			DWORD	PowerOn	
-						
-	-	0x0	0x0	0x3	7/2	M

30500	INDEX_AX_ASSIGN_POS_TAB			A01, A10	I1,H1	
-	Axis is an indexing axis			BYTE	Reset	
-						
-	-	0	0	3	7/2	M

30501	INDEX_AX_NUMERATOR			A01, A10	I1	
mm, degrees	Indexing axis equidistant positions numerator			DOUBLE	Reset	
-						
-	-	0.0	-	-	7/2	M

30502	INDEX_AX_DENOMINATOR			A01, A10	I1	
-	Indexing axis equidistant positions denominator			DWORD	Reset	
-						
-	-	1	1	-	7/2	M

30503	INDEX_AX_OFFSET			A01, A10	I1,R2	
mm, degrees	Indexing axis with equidistant positions first index position			DOUBLE	Reset	
-						
-	-	0.0	-	-	7/2	M

30505	HIRTH_IS_ACTIVE			A01, A10	I1	
-	Axis is an indexing axis with Hirth tooth system			BOOLEAN	Reset	
CTEQ						
-	-	FALSE	-	-	7/2	M

30550	AXCONF_ASSIGN_MASTER_CHAN			A01, A06, A10	K5,TE3,B3,S3,K1,R1	
-	Initial setting of channel for change of axis			BYTE	PowerOn	
-						
-	-	0	0	10	7/2	M

30552	AUTO_GET_TYPE			EXP, A06, A10	K5,M3,TE6,P2,P5,2.4	
-	Automatic GET for get axis			BYTE	PowerOn	
-						
-	-	1	0	2	7/2	M

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30554	AXCONF_ASSIGN_MASTER_NCU			A01, A06, A10	B3	
-	Initial setting which NCU creates setpoints for the axis			BYTE	PowerOn	
-						
-	-	0	0	16	7/2	M

30560	IS_LOCAL_LINK_AXIS			EXP, A01	B3	
-	Axis is a local link axis			BOOLEAN	PowerOn	
-						
-	-	FALSE	-	-	7/2	M

30600	FIX_POINT_POS			A03, A10	K1,W3	
mm, degrees	Fixed-value positions of axis with G75			DOUBLE	PowerOn	
-						
-	4	0.0, 0.0, 0.0, 0.0	-	-	7/2	I

30610	NUM_FIX_POINT_POS			A03, A10	K1	
-	Number of fixed-value positions of an axis			DWORD	PowerOn	
-						
-	-	0	0	4	7/2	M

30800	WORKAREA_CHECK_TYPE			-	A3	
-	Type of check of working area limitations.			BOOLEAN	NEW CONF	
CTEQ						
-	-	FALSE	-	-	7/2	M

2.5.2 Encoder matching

31000	ENC_IS_LINEAR			A02, A11, -	G2	
-	Linear scale			BOOLEAN	PowerOn	
-						
-	2	FALSE, FALSE	-	-	7/2	M

31010	ENC_GRID_POINT_DIST			A02, A11, -	G2	
mm	Division period for linear scales			DOUBLE	PowerOn	
-						
-	2	0.01, 0.01	-	-	7/2	M

31020	ENC_RESOL			A02, A11, -	G2,R1	
-	Encoder lines per revolution			DWORD	PowerOn	
-						
-	2	2048, 2048	-	-	7/2	M

31025	ENC_PULSE_MULT			EXP, A01, A02	-	
-	Encoder multiplication (high-resolution)			DWORD	PowerOn	
-						
-	2	2048, 2048	-	-	7/2	M

31030	LEADSCREW_PITCH			A02, A11, -	G2,A3	
mm	Pitch of leadscrew			DOUBLE	PowerOn	
-						
-	-	10.0	-	-	7/2	M

31040	ENC_IS_DIRECT			A02, A11, -	G2,S1	
-	Direct measuring system (no compilation to load position)			BOOLEAN	PowerOn	
-						
-	2	FALSE, FALSE	-	-	7/2	M

31044	ENC_IS_DIRECT2			A02, -	G2,S1	
-	Encoder mounted on the additional gearbox			BOOLEAN	NEW CONF	
-						
-	2	FALSE, FALSE	-	-	7/2	M

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31050	DRIVE_AX_RATIO_DENOM			A02, A11, -	A2,A3,G2,S1,V1	
-	Denominator load gearbox			DWORD	PowerOn	
-						
-	6	1, 1, 1, 1, 1, 1	1	2147000000	7/2	M

31060	DRIVE_AX_RATIO_NUMERA			A02, A11, -	A2,A3,G2,S1,V1	
-	Numerator load gearbox			DWORD	PowerOn	
-						
-	6	1, 1, 1, 1, 1, 1	-2147000000	2147000000	7/2	M

31064	DRIVE_AX_RATIO2_DENOM			A02, -	G2,S1	
-	Denominator additional gearbox			DWORD	NEW CONF	
-						
-	-	1	1	2147000000	7/2	M

31066	DRIVE_AX_RATIO2_NUMERA			A02, -	G2,S1	
-	Numerator additional gearbox			DWORD	NEW CONF	
-						
-	-	1	-2147000000	2147000000	7/2	M

31070	DRIVE_ENC_RATIO_DENOM			A02, A11, -	A3,G2,S1	
-	Denominator measuring gearbox			DWORD	PowerOn	
-						
-	2	1, 1	1	2147000000	7/2	M

31080	DRIVE_ENC_RATIO_NUMERA			A02, A11, -	A3,G2,S1	
-	Numerator measuring gearbox			DWORD	PowerOn	
-						
-	2	1, 1	1	2147000000	7/2	M

31090	JOG_INCR_WEIGHT			A01, A12	H1,G2	
mm, degrees	Evaluation of an increment with INC/handwheel			DOUBLE	Reset	
CTEQ						
-	2	0.001, 0.00254	-	-	7/2	M

31100	BERO_CYCLE			A02, EXP, A01	G2	
-	Steps for rotation monitoring			DWORD	PowerOn	
CTEQ						
-	2	2000, 2000	10	10000000	-1/2	M

31110	BERO_EDGE_TOL			A02, A01, A12	H1,G2	
-	Step tolerance for rotation monitoring			DWORD	NEW CONF	
CTEQ						
-	2	50, 50	10	10000000	-1/2	M

31122	BERO_DELAY_TIME_PLUS			A02, A06	S1,R1	
s	BERO delay time Plus			DOUBLE	NEW CONF	
-						
-	2	0.000110, 0.000110	-	-	7/2	M

31123	BERO_DELAY_TIME_MINUS			A02, A06	S1,R1	
s	BERO delay time minus			DOUBLE	NEW CONF	
-						
-	2	0.000078, 0.000078	-	-	7/2	M

31200	SCALING_FACTOR_G70_G71			EXP, A01	G2	
-	Factor for converting values while G70/G71 is active			DOUBLE	PowerOn	
CTEQ						
-	-	25.4	1.e-9	-	7/2	M

31350	FREQ_STEP_LIMIT			EXP, A01	G2	
-	Maximum frequency of stepper motor			DOUBLE	PowerOn	
CTEQ						
-	1	75000.0	1000.0	2000000.0	-1/2	M

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31400	STEP_RESOL			EXP, A01	G2	
-	Steps per stepper motor revolution			DWORD	PowerOn	
CTEQ						
-	1	1000	100	100000	-1/2	M

31600	TRACE_VDI_AX			EXP, N06	-	
-	Trace-specification for axial VDI signals			BOOLEAN	PowerOn	
NBUP						
-	-	FALSE	-	-	2/2	M

2.5.3 Closed-loop control

32000	MAX_AX_VELO			A11, A04	M3,TE1,TE3,W6,Z3,H1,K3,M1,P2,A3,B2,G2,H2,S1,V1,W1	
mm/min, rev/min	maximum axis velocity			DOUBLE	NEW CONF	
CTEQ						
-	-	10000.,10000.,10000.,10000.,10000.,10000....	1.e-9	-	7/2	M

32010	JOG_VELO_RAPID			A11, A04, -	H1	
mm/min, rev/min	Rapid traverse in jog mode			DOUBLE	Reset	
CTEQ						
-	-	10000.,10000.,10000.,10000.,10000.,10000....	-	-	7/2	M

32020	JOG_VELO			A11, A04, -	H1	
mm/min, rev/min	Jog axis velocity			DOUBLE	Reset	
CTEQ						
-	-	2000.,2000.,2000.,2000.,2000.,2000....	-	-	7/2	M

32040	JOG_REV_VELO_RAPID			A11, A04	H1,P2,R2,T1,V1,Z1	
mm/rev	Revolutional feedrate in JOG with rapid traverse override			DOUBLE	Reset	
CTEQ						
-	-	2.5,2.5,2.5,2.5,2.5,2.5,2.5,2.5,2.5...	-	-	7/2	M

32050	JOG_REV_VELO			A11, A04	H1,P2,R2,T1,V1,Z1	
mm/rev	Revolutional feedrate in JOG			DOUBLE	Reset	
CTEQ						
-	-	0.5,0.5,0.5,0.5,0.5,0.5,0.5,0.5,0.5...	-	-	7/2	M

32060	POS_AX_VELO			A12, A04	H1,P2,K1,V1,2.4,6.2	
mm/min, rev/min	Initial setting for positioning axis velocity			DOUBLE	Reset	
CTEQ						
-	-	10000.,10000.,10000.,10000.,10000.,10000....	-	-	7/2	M

32070	CORR_VELO			A04	2.4,6.2	
%	Axis velocity for override			DOUBLE	Reset	
CTEQ						
-	-	50.0	-	-	7/2	M

32074	FRAME_OR_CORRPOS_NOTALLOWED			A01	K5,K2,2.4,6.2	
-	Frame or tool length compensation are not permissible			DWORD	PowerOn	
CTEQ						
-	-	0	0	0xFFF	7/2	M

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32080	HANDWH_MAX_INCR_SIZE			A05, A10	H1	
mm, degrees	Limitation of selected increment			DOUBLE	Reset	
CTEQ						
-	-	0.0	-	-	7/2	M

32082	HANDWH_MAX_INCR_VELO_SIZE			A05, A10, A04	-	
mm/min, rev/min	Limitation for velocity override			DOUBLE	Reset	
CTEQ						
-	-	500.0,500.0,500.0,500.0,500.0,500.0...	-	-	7/2	M

32084	HANDWH_STOP_COND			EXP, A10	H1	
-	Handwheel travel behavior			DWORD	Reset	
CTEQ						
-	-	0xFF	0	0x7FF	7/2	M

32090	HANDWH_VELO_OVERLAY_FACTOR			A10, A04	H1	
-	Ratio of JOG velocity to handwheel velocity (DRF)			DOUBLE	Reset	
CTEQ						
-	-	0.5	-	-	7/2	M

32100	AX_MOTION_DIR			A07, A03, A11, -	G1,TE3,G2	
-	Traversing direction (not control direction)			DWORD	PowerOn	
-						
-	-	1	-1	1	7/2	M

32110	ENC_FEEDBACK_POL			A07, A02, A11	G2	
-	Sign actual value (control direction)			DWORD	PowerOn	
-						
-	2	1, 1	-1	1	7/2	M

32200	POSCTRL_GAIN			A07, A11	G1,TE1,TE9,K3,S3,A2,A3,D1,G2,S1,V1	
1000/min	Servo gain factor			DOUBLE	NEW CONF	
CTEQ						
-	6	16.66666667, 16.66666667, 16.66666667, 16.66666667, 16.66666667...	0	2000.	7/2	M

32210	POSCTRL_INTEGR_TIME			A07	G2	
s	Position controller integral time			DOUBLE	NEW CONF	
-						
-	-	1.0	0	10000.0	7/2	M

32220	POSCTRL_INTEGR_ENABLE			A07	G2	
-	Enable integral component position controller			BOOLEAN	PowerOn	
-						
-	-	FALSE	-	-	7/2	M

32230	POSCTRL_CONFIG			A07	TE1	
-	Configuration of the position controller structure			BYTE	PowerOn	
-						
-	-	0	0	17	7/2	M

32250	RATED_OUTVAL			A01, A11	A3,D1,G2	
%	Rated output voltage			DOUBLE	NEW CONF	
CTEQ						
-	1	0.0	0.0	200	7/2	M

32260	RATED_VELO			A01, A11	A3,D1,G2	
rev/min	Rated motor speed			DOUBLE	NEW CONF	
CTEQ						
-	1	3000.0	-	-	7/2	M

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32300	MAX_AX_ACCEL			A11, A04, -	M3,TE6,Z3,H1,K3,M1,A3,B1,B2,K1,V1,2.4	
m/s², rev/s²	maximum axis acceleration			DOUBLE	NEW CONF	
CTEQ						
-	5	1.0, 1.0, 1.0, 1.0, 1.0,1.0, 1.0, 1.0, 1.0, 1.0...	1.0e-3	-	7/2	M

32301	JOG_MAX_ACCEL			A11, A04, -	-	
m/s², rev/s²	Maximum acceleration in JOG mode			DOUBLE	NEW CONF	
CTEQ						
-	-	0.0	-	-	0/0	S

32310	MAX_ACCEL_OVL_FACTOR			A04	B1	
-	Overload factor for axial velocity steps			DOUBLE	NEW CONF	
CTEQ						
-	5	1.2, 1.2, 1.2, 1.2, 1.2	-	-	7/7	U

32320	DYN_LIMIT_RESET_MASK			A05, A06, A10, A04	-	
-	Reset behavior of dynamic response limitation.			DWORD	Reset	
CTEQ						
-	-	0	0	0x03	7/2	M

32400	AX_JERK_ENABLE			A07, A04, -	B2	
-	Axial jerk limitation			BOOLEAN	NEW CONF	
CTEQ						
-	-	FALSE	-	-	7/2	M

32402	AX_JERK_MODE			A07, A04	B2,G2,B3	
-	Filter type for axial jerk limitation			BYTE	PowerOn	
CTEQ						
-	-	1	1	3	7/2	M

32410	AX_JERK_TIME			A07, A04	G1,TE1,S3,B2,G2	
s	Time constant for axial jerk filter			DOUBLE	NEW CONF	
-						
-	-	0.001	-	-	7/2	M

32412	AX_JERK_FREQ			A07, A04	-	
-	Blocking frequency of axial jerk filter			DOUBLE	NEW CONF	
-						
-	-	10.0	-	-	7/2	M

32414	AX_JERK_DAMP			A07, A04	-	
-	Damping of axial jerk filter			DOUBLE	NEW CONF	
-						
-	-	0.0	-	-	7/2	M

32420	JOG_AND_POS_JERK_ENABLE			A04	G1,H1,P2,S3,B2	
-	Default setting of axis jerk limitation			BOOLEAN	Reset	
CTEQ						
-	-	FALSE	-	-	7/2	M

32429	MAX_JERK_STOP			A04	B1	
m/s³, rev/s³	Reserved: Maximum axial emergency jerk			DOUBLE	NEW CONF	
-						
-	5	0., 0., 0., 0., 0.,0., 0., 0., 0., 0....	0.	-	-1/3	I

32430	JOG_AND_POS_MAX_JERK			A04	G1,P2,S3,B2	
m/s³, rev/s³	Axial jerk			DOUBLE	NEW CONF	
CTEQ						
-	-	1000.0,1000.0,1000.0,1000.0,1000.0...	1.e-9	-	7/2	M

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32431	MAX_AX_JERK			A04	B1,B2	
m/s³, rev/s³	maximum axial jerk for path movement			DOUBLE	NEW CONF	
-						
-	5	1.e6, 1.e6, 1.e6, 1.e6, 1.e6...	1.e-9	-	3/3	I

32432	PATH_TRANS_JERK_LIM			A04	B1,B2	
m/s³, rev/s³	maximum axial jerk at block transition in continuous-path mode			DOUBLE	NEW CONF	
CTEQ						
-	5	1.e6, 1.e6, 1.e6, 1.e6, 1.e6...	-	-	3/3	I

32433	SOFT_ACCEL_FACTOR			A04, -	TE9,B1,B2	
-	Scaling of acceleration limitation with SOFT			DOUBLE	NEW CONF	
-						
-	5	1., 1., 1., 1., 1.	1e-9	-	3/3	I

32434	G00_ACCEL_FACTOR			A04, -	TE9,B1,B2	
-	Scaling of acceleration limitation with G00.			DOUBLE	NEW CONF	
-						
-	-	1.	1e-9	-	3/3	I

32435	G00_JERK_FACTOR			A04	B1,B2	
-	Scaling of jerk limitation with G00.			DOUBLE	NEW CONF	
-						
-	-	1.	1e-9	-	3/3	I

32436	JOG_MAX_JERK			A04	-	
m/s³, rev/s³	Maximum axial jerk during JOG motion			DOUBLE	NEW CONF	
CTEQ						
-	-	0.0	-	-	0/0	S

32437	AX_JERK_VEL0			A04	B1	
mm/min, rev/min	Velocity threshold for linear jerk adjustment			DOUBLE	NEW CONF	
-						
-	5	3000, 3000, 3000, 3000, 3000...	-	-	3/3	I

32438	AX_JERK_VEL1			A04	B1	
mm/min, rev/min	Velocity threshold for linear jerk adjustment			DOUBLE	NEW CONF	
-						
-	5	6000, 6000, 6000, 6000, 6000...	-	-	3/3	I

32439	MAX_AX_JERK_FACTOR			A04	B1	
-	Factor for jerk adjustment at high velocities			DOUBLE	NEW CONF	
-						
-	5	1.0, 1.0, 1.0, 1.0, 1.0	1.0	-	3/3	I

32440	LOOKAH_FREQUENCY			EXP, A04	B1	
-	Smoothing frequency for Look Ahead			DOUBLE	NEW CONF	
-						
-	-	10.	-	-	7/2	M

32450	BACKLASH			A09	K3,G2	
mm, degrees	Backlash			DOUBLE	NEW CONF	
-						
-	2	0.0, 0.0	-	-	7/2	I

32452	BACKLASH_FACTOR			A09	K3,G2,S1,V1	
-	Evaluation factor for backlash			DOUBLE	NEW CONF	
-						
-	6	1.0, 1.0, 1.0, 1.0, 1.0, 1.0	0.01	100.0	7/2	I

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32490	FRICT_COMP_MODE			A09	K3	
-	Type of friction compensation			BYTE	PowerOn	
-						
-	1	1	0	2	7/2	M

32500	FRICT_COMP_ENABLE			A09	K3,G2	
-	Friction compensation active			BOOLEAN	NEW CONF	
-						
-	-	FALSE	-	-	7/2	M

32510	FRICT_COMP_ADAPT_ENABLE			EXP, A09	K3	
-	Adaptation friction compensation active			BOOLEAN	NEW CONF	
-						
-	1	FALSE	-	-	7/2	M

32520	FRICT_COMP_CONST_MAX			EXP, A09	K3	
mm/min, rev/min	Maximum friction compensation value			DOUBLE	NEW CONF	
-						
-	1	0.0	-	-	7/2	M

32530	FRICT_COMP_CONST_MIN			EXP, A09	K3	
mm/min, rev/min	Minimum friction compensation value			DOUBLE	NEW CONF	
-						
-	1	0.0	-	-	7/2	M

32540	FRICT_COMP_TIME			EXP, A09	K3	
s	Friction compensation time constant			DOUBLE	NEW CONF	
-						
-	1	0.015	-	-	7/2	M

32550	FRICT_COMP_ACCEL1			EXP, A09	K3	
m/s², rev/s²	Adaptation acceleration value 1			DOUBLE	NEW CONF	
-						
-	1	0.0	-	-	7/2	M

32560	FRICT_COMP_ACCEL2			EXP, A09	K3	
m/s², rev/s²	Adaptation acceleration value 2			DOUBLE	NEW CONF	
-						
-	1	0.0	-	-	7/2	M

32570	FRICT_COMP_ACCEL3			EXP, A09	K3	
m/s², rev/s²	Adaptation acceleration value 3			DOUBLE	NEW CONF	
-						
-	1	0.0	-	-	7/2	M

32580	FRICT_COMP_INC_FACTOR			A09	K3	
%	Weighting factor of friction comp. value w/ short trav. movem.			DOUBLE	NEW CONF	
-						
-	1	0.0	0	100.0	7/2	M

32610	VELO_FFW_WEIGHT			A07, A09	G1,TE1,K3,S3,A3,G2,S1,V1	
-	Feedforward control factor f. velocity/speed feedforward control			DOUBLE	NEW CONF	
-						
-	6	1.0, 1.0, 1.0, 1.0, 1.0, 1.0	-	-	7/2	M

32620	FFW_MODE			A07, A09	G1,K3,S3,G2,S1	
-	Feedforward control mode			BYTE	Reset	
-						
-	-	3	0	4	7/2	M

32630	FFW_ACTIVATION_MODE			A07, A09	K3,G2	
-	Activate feedforward control from program			BYTE	Reset	
CTEQ						
-	-	1	0	2	7/2	M

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32640	STIFFNESS_CONTROL_ENABLE			A01, A07	TE3,G2	
-	Dynamic stiffness control			BOOLEAN	NEW CONF	
CTEQ						
-	1	FALSE	-	-	7/2	M

32642	STIFFNESS_CONTROL_CONFIG			A01, A07	-	
-	Dynamic stiffness control configuration (DSC)			BYTE	NEW CONF	
CTEQ						
-	1	0	0	1	7/2	M

32644	STIFFNESS_DELAY_TIME			A01, A07	-	
s	dynamic stiffness control: Delay			DOUBLE	PowerOn	
CTEQ						
-	1	0.0	-0.02	0.02	7/2	M

32650	AX_INERTIA			EXP, A07, A09	G1,K3,S3,G2	
kgm²	Inertia for torque feedforward control			DOUBLE	NEW CONF	
-						
-	-	0.0	-	-	7/2	M

32652	AX_MASS			EXP, A07, A09	-	
kg	Axis mass for torque feedforward control			DOUBLE	NEW CONF	
-						
-	-	0.0	-	-	7/2	M

32700	ENC_COMP_ENABLE			A09	K3	
-	Encoder/spindle error compensation.			BOOLEAN	NEW CONF	
-						
-	2	FALSE, FALSE	-	-	7/2	M

32710	CEC_ENABLE			A09	K3	
-	Enable of sag compensation			BOOLEAN	NEW CONF	
-						
-	-	FALSE	-	-	7/2	M

32711	CEC_SCALING_SYSTEM_METRIC			A09	K3,G2	
-	Measuring system of sag compensation			BOOLEAN	NEW CONF	
-						
-	-	TRUE	-	-	7/2	M

32720	CEC_MAX_SUM			A09	K3	
mm, degrees	Maximum compensation value for sag compensation			DOUBLE	NEW CONF	
-						
-	-	1.0	0	10.0	7/2	M

32730	CEC_MAX_VELO			EXP, A09, A04	K3	
%	Change in velocity at CEC			DOUBLE	NEW CONF	
-						
-	-	10.0	0	100.0	7/2	M

32750	TEMP_COMP_TYPE			A09	K3,W1	
-	Temperature compensation type			BYTE	PowerOn	
CTEQ						
-	-	0	0	7	7/2	M

32760	COMP_ADD_VELO_FACTOR			EXP, A09, A04	K3	
-	Excessive velocity due to compensation			DOUBLE	NEW CONF	
CTEQ						
-	-	0.01	0.	0.10	7/2	M

32800	EQUIV_CURRCTRL_TIME			EXP, A07, A09	G1,K3,S3,A2,A3,G2,S1,V1	
s	Equiv. time const. current control loop for feedforward control			DOUBLE	NEW CONF	
-						
-	6	0.0005, 0.0005, 0.0005, 0.0005, 0.0005, 0.0005	-	-	7/2	M

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32810	EQUIV_SPEEDCTRL_TIME			A07, A09	G1,K3,S3,A2,A3,G2,S1,V1	
s	Equiv. time constant speed control loop for feedforward control			DOUBLE	NEW CONF	
-						
-	6	0.003, 0.003, 0.003, 0.003, 0.003...	-	-	7/2	M

32900	DYN_MATCH_ENABLE			A07	G21,S3,G2	
-	Dynamic response adaptation			BOOLEAN	NEW CONF	
CTEQ						
-	-	FALSE	-	-	7/2	M

32910	DYN_MATCH_TIME			A07	G1,K3,S3,A2,A3,G2,S1,V1	
s	Time constant of dynamic response adaptation			DOUBLE	NEW CONF	
-						
-	6	0.0, 0.0, 0.0, 0.0, 0.0, 0.0	-	-	7/2	M

32920	AC_FILTER_TIME			A10	-	
s	Smoothing filter time constant for adaptive control			DOUBLE	PowerOn	
-						
-	-	0.0	-	-	7/2	M

32930	POSCTRL_OUT_FILTER_ENABLE			A07	G2	
-	Activation of low-pass filter at position controller output			BOOLEAN	NEW CONF	
CTEQ						
-	-	FALSE	-	-	7/2	M

32940	POSCTRL_OUT_FILTER_TIME			A07	G2	
s	Time constant of low-pass filter at position controller output			DOUBLE	NEW CONF	
-						
-	-	0.0	-	-	7/2	M

32950	POSCTRL_DAMPING			EXP, A07	G2	
%	Damping of the speed control circuit.			DOUBLE	NEW CONF	
-						
-	-	0.0	-	-	-1/2	M

32990	POSCTRL_DESVAL_DELAY_INFO			EXP, A01, A07	B3	
s	Actual setpoint position delay			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0, 0.0	-	-	7/RO	S

33000	FIPO_TYPE			EXP, A07	G1,G3,S3,G2	
-	Fine interpolator type			BYTE	PowerOn	
CTEQ						
-	-	2	1	3	7/2	M

33050	LUBRICATION_DIST			A03, A10	A2,Z1	
mm, degrees	Traversing path for lubrication from PLC			DOUBLE	NEW CONF	
-						
-	-	1.0e8	-	-	7/2	I

33060	MAINTENANCE_DATA			A10	W6,2.4,6.2	
-	Configuration of maintenance data recording			DWORD	Reset	
-						
-	-	1	-	-	7/2	M

33100	COMPRESS_POS_TOL			A10	F2,B1,K1	
mm, degrees	Maximum deviation during compression			DOUBLE	NEW CONF	
CTEQ						
-	-	0.1	1.e-9	-	7/7	I

33120	PATH_TRANS_POS_TOL			A10	K1,PGA	
mm, degrees	Maximum deviation for smoothing with G645			DOUBLE	NEW CONF	
CTEQ						
-	-	0.005	1.e-9	-	7/7	U

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2.5.4 Reference point approach

34000	REFP_CAM_IS_ACTIVE			A03, A11	G1,R1	
-	Axis with reference point cam			BOOLEAN	Reset	
-						
-	-	TRUE	-	-	7/2	M

34010	REFP_CAM_DIR_IS_MINUS			A03, A11	G1,R1	
-	Approach reference point in minus direction			BOOLEAN	Reset	
-						
-	-	FALSE	-	-	7/2	M

34020	REFP_VELO_SEARCH_CAM			A03, A11, A04	G1,R1	
mm/min, rev/min	Reference point approach velocity			DOUBLE	Reset	
-						
-	-	5000.00,5000.00,5000.00,5000.00...	-	-	7/2	M

34030	REFP_MAX_CAM_DIST			A03, A11	G1,R1	
mm, degrees	Maximum distance to reference cam			DOUBLE	Reset	
-						
-	-	10000.0	-	-	7/2	M

34040	REFP_VELO_SEARCH_MARKER			A03, A11, A04	G1,R1,S1	
mm/min, rev/min	Creep velocity			DOUBLE	Reset	
-						
-	2	300.00, 300.00,300.00, 300.00...	-	-	7/2	M

34050	REFP_SEARCH_MARKER_REVERSE			A03, A11	G1,R1	
-	Direction reversal to reference cam			BOOLEAN	Reset	
-						
-	2	FALSE, FALSE	-	-	7/2	M

34060	REFP_MAX_MARKER_DIST			A03, A11	G1,R1,S1	
mm, degrees	maximum distance to reference mark			DOUBLE	Reset	
-						
-	2	20.0, 20.0,20.0, 20.0,20.0, 20.0...	-	-	7/2	M

34070	REFP_VELO_POS			A03, A11, A04	G1,R1	
mm/min, rev/min	Reference point positioning velocity			DOUBLE	Reset	
-						
-	-	10000.00,10000.00,10000.00,10000.00...	-	-	7/2	M

34080	REFP_MOVE_DIST			A03, A11	G1,R1,S1,S3,G2	
mm, degrees	Reference point distance			DOUBLE	NEW CONF	
-						
-	2	-2.0, -2.0	-1e15	1e15	7/2	I

34090	REFP_MOVE_DIST_CORR			A03, A02, A08, A11	G1,R1,S1,S3,G2	
mm, degrees	Reference point offset/absolute offset			DOUBLE	NEW CONF	
-, -						
-	2	0.0, 0.0	-1e12	1e12	7/2	I

34092	REFP_CAM_SHIFT			A03, A11	G1,R1	
mm, degrees	electronic cam offset for incremental measuring systems			DOUBLE	Reset	
-						
-	2	0.0, 0.0	-	-	7/2	I

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34093	REFP_CAM_MARKER_DIST			A03, A11	R1	
mm, degrees	Reference cam/reference mark distance			DOUBLE	PowerOn	
-						
-	2	0.0, 0.0	-	-	7/RO	I

34100	REFP_SET_POS			A03, A11	G1,S3,G2,R1,S1	
mm, degrees	Reference point for incremental system			DOUBLE	Reset	
-						
-	4	0., 0., 0., 0.	-45000000	45000000	7/2	I

34102	REFP_SYNC_ENCS			A03, A02	R1,Z1	
-	Calibration of measuring systems			BYTE	Reset	
-						
-	-	0	0	1	7/2	M

34104	REFP_PERMITTED_IN_FOLLOWUP			A03, A02	R1	
-	Enable referencing in follow-up mode			BOOLEAN	Reset	
-						
-	-	FALSE	-	-	7/2	M

34110	REFP_CYCLE_NR			A03	G1,TE3,D1,R1,Z1	
-	Sequence of axes in channel-specific referencing			DWORD	PowerOn	
-						
-	-	1,2,3,4,5,6,7,8,9,10,11, 12,13,14,15,16,17,18...	-1	31	7/2	M

34200	ENC_REFP_MODE			A03, A02	G1,R1,S1	
-	Referencing mode			BYTE	PowerOn	
-						
-	2	1, 1	0	8	7/2	M

34210	ENC_REFP_STATE			A07, A03, A02	R1	
-	Adjustment status of absolute encoder			BYTE	Immediately	
-						
-	2	0, 0	0	3	7/4	I

34220	ENC_ABS_TURNS_MODULO			A03, A02	R1	
-	Modulo range for rotary absolute encoder			DWORD	PowerOn	
-						
-	2	4096, 4096	1	100000	7/2	M

34230	ENC_SERIAL_NUMBER			A02	R1	
-	Encoder serial number			DWORD	PowerOn	
-						
-	2	0, 0	-	-	7/2	I

34232	EVERY_ENC_SERIAL_NUMBER			A02	R1	
-	Range of encoder serial number			BOOLEAN	PowerOn	
-						
-	2	TRUE, TRUE	-	-	7/2	M

34300	ENC_REFP_MARKER_DIST			A03, A02	R1	
mm, degrees	Basic distance of reference marks of distance-coded encoders.			DOUBLE	PowerOn	
-						
-	2	10.0, 10.0	-	-	7/2	M

34310	ENC_MARKER_INC			A03, A02	R1	
mm, degrees	Interval between two reference marks for distance-coded scales			DOUBLE	Reset	
-						
-	2	0.02, 0.02	-	-	7/2	M

34320	ENC_INVERS			A03, A02	G2,R1	
-	Length measuring system inverse to axis movement.			BOOLEAN	Reset	
-						
-	2	FALSE, FALSE	-	-	7/2	M

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34330	REFP_STOP_AT_ABS_MARKER			A03	G1,R1	
-	Distance-coded linear measuring system without target point			BOOLEAN	Reset	
-						
-	2	TRUE, TRUE	-	-	7/2	M

34400	ENC_SSI_STATUS			A03, A11	G2	
-	Synchronization data for SSI absolute value encoder			BYTE	PowerOn	
-						
-	2	0x0,0x0	-	-	-1/2	M

34410	ENC_SSI_MESSAGE_LENGTH			A02, A03, A11	G2	
-	Telegram length for SSI absolute value encoder			BYTE	PowerOn	
-						
-	2	0,0	0	3	-1/2	M

34420	ENC_SSI_MESSAGE_FORMAT			A03, A11, A02	G2	
-	Steps per encoder revolution			BYTE	PowerOn	
-						
-	2	0,0	0	13	-1/2	M

34800	WAIT_ENC_VALID			A01	-	
-	Parameter setting for part program command WAITENC			DWORD	PowerOn	
-						
-	-	0	0	1	7/2	M

34990	ENC_ACTVAL_SMOOTH_TIME			A02	V1	
s	Smoothing time constant for actual values.			DOUBLE	Reset	
-						
-	2	0.0, 0.0	0.0	0.5	7/2	I

2.5.5 Spindles

35000	SPIND_ASSIGN_TO_MACHAX			A01, A06, A11	M1,S3,K2,S1	
-	Assignment of spindle to machine axis			BYTE	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0...	0	20	7/2	M

35010	GEAR_STEP_CHANGE_ENABLE			A06, A11	P3 pl,P3 sl,S1	
-	Parameterize gear stage change			DWORD	Reset	
CTEQ						
-	-	0x00	0	0x2B	7/2	M

35012	GEAR_STEP_CHANGE_POSITION			A06, A11	S1	
mm, degrees	Gear stage change position			DOUBLE	NEW CONF	
CTEQ						
-	6	0.0, 0.0, 0.0, 0.0, 0.0, 0.0	-	-	7/2	M

35014	GEAR_STEP_USED_IN_AXISMODE			A01, A06, A11	-	
-	Gear stage for axis mode with M70			DWORD	NEW CONF	
CTEQ						
-	-	0	0	5	7/2	M

35020	SPIND_DEFAULT_MODE			A06, A10	S1	
-	Initial spindle setting			BYTE	Reset	
CTEQ						
-	-	0	0	3	7/2	M

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35030	SPIND_DEFAULT_ACT_MASK			A06, A10	S1	
-	Time at which initial spindle setting is effective			BYTE	Reset	
CTEQ						
-	-	0x00	0	0x03	7/2	M

35032	SPIND_FUNC_RESET_MODE			A06, A10	-	
-	Reset response of individual spindle functions			DWORD	PowerOn	
CTEQ						
-	-	0x00	0	0x01	7/2	M

35035	SPIND_FUNCTION_MASK			A06, A10	K1,S1	
-	Spindle functions			DWORD	Reset	
CTEQ						
-	-	0x510	-	-	7/2	M

35040	SPIND_ACTIVE_AFTER_RESET			A06, A10	S1,Z1,2.7	
-	Own spindle RESET			BYTE	PowerOn	
CTEQ						
-	-	0	0	2	7/2	M

35090	NUM_GEAR_STEPS			A06, A10	S1	
-	Number of gear stages			DWORD	Reset	
-						
-	-	MAXNUM_GEAR_STEPS	1	5	2/2	M

35092	NUM_GEAR_STEPS2			A06, A10	S1	
-	Number of gear stages of 2nd gear stage data set			DWORD	Reset	
-						
-	-	MAXNUM_GEAR_STEPS	1	5	2/2	M

35100	SPIND_VELO_LIMIT			A06, A11, A04	TE3,G2,S1,V1,Z1	
rev/min	Maximum spindle speed			DOUBLE	Reset	
CTEQ						
-	-	10000.0	1.0e-3	-	7/2	M

35110	GEAR_STEP_MAX_VELO			A06, A11, A04	A3,S1	
rev/min	Maximum speed for gear stage change			DOUBLE	NEW CONF	
CTEQ						
-	6	500., 500., 1000., 2000., 4000., 8000.	-	-	7/2	M

35112	GEAR_STEP_MAX_VELO2			A06, A11, A04	S1	
rev/min	2nd data set: Maximum speed for gear stage change			DOUBLE	NEW CONF	
CTEQ						
-	6	500., 500., 1000., 2000., 4000., 8000.	0	-	2/2	M

35120	GEAR_STEP_MIN_VELO			A06, A11, A04	S1	
rev/min	Minimum speed for gear stage change			DOUBLE	NEW CONF	
CTEQ						
-	6	50., 50., 400., 800., 1500., 3000.	-	-	7/2	M

35122	GEAR_STEP_MIN_VELO2			A06, A11, A04	S1	
rev/min	2nd data set: Minimum speed for gear stage change			DOUBLE	NEW CONF	
CTEQ						
-	6	50., 50., 400., 800., 1500., 3000.	0	-	2/2	M

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35130	GEAR_STEP_MAX_VELO_LIMIT			A06, A11, A04	A2,S1,V1	
rev/min	Maximum speed of gear stage			DOUBLE	NEW CONF	
CTEQ						
-	6	500., 500., 1000., 2000., 4000., 8000.	1.0e-3	-	7/2	M

35135	GEAR_STEP_PC_MAX_VELO_LIMIT			A06, A11, A04	S1	
rev/min	Maximum speed of the gear stage with position control			DOUBLE	NEW CONF	
CTEQ						
-	6	0., 0., 0., 0., 0., 0.	0	-	7/2	M

35140	GEAR_STEP_MIN_VELO_LIMIT			A06, A11, A04	S1,V1	
rev/min	Minimum speed of gear stage			DOUBLE	NEW CONF	
CTEQ						
-	6	5., 5., 10., 20., 40., 80.	-	-	7/2	M

35150	SPIND_DES_VELO_TOL			A03, A05, A06, A10, A04	R1,S1,Z1	
-	Spindle speed tolerance			DOUBLE	Reset	
-						
-	-	0.1	0.0	1.0	7/2	M

35160	SPIND_EXTERN_VELO_LIMIT			A06, A04	A3,S1,V1,Z1	
rev/min	Spindle speed limitation from PLC			DOUBLE	NEW CONF	
CTEQ						
-	-	1000.0	1.0e-3	-	7/2	M

35200	GEAR_STEP_SPEEDCTRL_ACCEL			A06, A11, A04, -	S1	
rev/s²	Acceleration in speed control mode			DOUBLE	NEW CONF	
CTEQ						
-	6	30.0, 30.0, 25.0, 20.0, 15.0, 10.0	1.0e-3	-	7/2	M

35210	GEAR_STEP_POSCTRL_ACCEL			A06, A11, A04, -	S1	
rev/s²	Acceleration in position control mode			DOUBLE	NEW CONF	
CTEQ						
-	6	30.0, 30.0, 25.0, 20.0, 15.0, 10.0	1.0e-3	-	7/2	M

35212	GEAR_STEP_POSCTRL_ACCEL2			A06, A11, A04, -	S1	
rev/s²	2nd data set: Acceleration in position control mode			DOUBLE	NEW CONF	
CTEQ						
-	6	30.0, 30.0, 25.0, 20.0, 15.0, 10.0	1.0e-3	-	2/2	M

35220	ACCEL_REDUCTION_SPEED_POINT			A06, A04	S1,S3,B2	
-	Speed for reduced acceleration			DOUBLE	Reset	
-						
-	-	1.0	0.0	1.0	7/2	M

35230	ACCEL_REDUCTION_FACTOR			A06, A04	S1,S3,B2	
-	Reduced acceleration			DOUBLE	Reset	
CTEQ						
-	-	0.0	0.0	0.95	7/2	M

35240	ACCEL_TYPE_DRIVE			A04	B1,B2	
-	Acceleration curve DRIVE for axes ON/OFF			BOOLEAN	Reset	
CTEQ						
-	-	FALSE	-	-	7/2	M

35242	ACCEL_REDUCTION_TYPE			A04	B1,B2	
-	Type of acceleration reduction			BYTE	Reset	
CTEQ						
-	-	1	0	2	7/2	M

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35300	SPIND_POSCTRL_VELO			A06, A04	P3 pl,P3 sl,R1,S1	
rev/min	Position control activation speed			DOUBLE	NEW CONF	
CTEQ						
-	6	500.0, 500.0, 500.0, 500.0, 500.0, 500.0	-	-	7/2	M

35310	SPIND_POSIT_DELAY_TIME			A06, A04	S1	
s	Positioning delay time			DOUBLE	NEW CONF	
CTEQ						
-	6	0.0, 0.05, 0.1, 0.2, 0.4, 0.8	-	-	7/2	M

35350	SPIND_POSITIONING_DIR			A06	S1	
-	Direction of rotation when positioning			BYTE	Reset	
CTEQ						
-	-	3	3	4	7/2	M

35400	SPIND_OSCILL_DES_VELO			A06, A04	P3 pl,P3 sl,S1	
rev/min	Oscillation speed			DOUBLE	NEW CONF	
CTEQ						
-	-	500.0	-	-	7/2	M

35410	SPIND_OSCILL_ACCEL			A06, A04, -	S1,Z1	
rev/s²	Acceleration during oscillation			DOUBLE	NEW CONF	
CTEQ						
-	-	16.0	1.0e-3	-	7/2	M

35430	SPIND_OSCILL_START_DIR			A06	S1	
-	Start direction during oscillation			BYTE	Reset	
CTEQ						
-	-	0	0	4	7/2	M

35440	SPIND_OSCILL_TIME_CW			A06	S1,Z1	
s	Oscillation time for M3 direction			DOUBLE	NEW CONF	
CTEQ						
-	-	1.0	-	-	7/2	M

35450	SPIND_OSCILL_TIME_CCW			A06	S1,Z1	
s	Oscillation time for M4 direction			DOUBLE	NEW CONF	
CTEQ						
-	-	0.5	-	-	7/2	M

35500	SPIND_ON_SPEED_AT_IPO_START			A03, A06, A10	S1,Z1	
-	Feedrate enable for spindle in the set range			BYTE	Reset	
CTEQ						
-	-	1	0	2	7/2	M

35510	SPIND_STOPPED_AT_IPO_START			A03, A06, A10	S1	
-	Feedrate enable for spindle stopped			BOOLEAN	Reset	
CTEQ						
-	-	FALSE	-	-	7/2	M

35550	DRILL_VELO_LIMIT			A06, A11, A04	-	
rev/min	Maximum speeds for tapping			DOUBLE	NEW CONF	
CTEQ						
-	6	10000., 10000., 10000., 10000., 10000., 10000.	1	-	7/2	M

35590	PARAMSET_CHANGE_ENABLE			EXP, A05	TE3,A2,S1,Z1	
-	Parameter set can be changed			BYTE	PowerOn	
CTEQ						
-	-	0	0	2	7/2	M

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2.5.6 Monitoring functions

36000	STOP_LIMIT_COARSE			A05	TE1,A3,B1,G2,S1,Z1	
mm, degrees	Exact stop coarse			DOUBLE	NEW CONF	
-						
-	-	0.04,0.04,0.04,0.04,0.04,0.04,0.04...	-	-	7/2	M

36010	STOP_LIMIT_FINE			A05	TE1,A3,B1,D1,G2,S1,Z1	
mm, degrees	Exact stop fine			DOUBLE	NEW CONF	
-						
-	-	0.01,0.01,0.01,0.01,0.01,0.01,0.01...	-	-	7/2	M

36012	STOP_LIMIT_FACTOR			A05	G1,A3,B1,G2,S1,Z1	
-	Factor for exact stop coarse/fine and standstill			DOUBLE	NEW CONF	
-						
-	6	1.0, 1.0, 1.0, 1.0, 1.0, 1.0	0.001	1000.0	7/2	M

36020	POSITIONING_TIME			A05	TE1,A3,B1,G2	
s	Delay time exact stop fine			DOUBLE	NEW CONF	
-						
-	-	1.0	-	-	7/2	M

36030	STANDSTILL_POS_TOL			A05	G1,A3,D1,G2	
mm, degrees	Standstill tolerance			DOUBLE	NEW CONF	
-						
-	-	0.2,0.2,0.2,0.2,0.2,0.2,0.2,0.2,0.2...	-	-	7/2	M

36040	STANDSTILL_DELAY_TIME			A05	TE1,A3,F1,G2	
s	Delay time for standstill monitoring			DOUBLE	NEW CONF	
-						
-	-	0.4	-	-	7/2	M

36042	FOC_STANDSTILL_DELAY_TIME			A05	F1	
s	Delay time for standstill monit. w/ active torque or force lim.			DOUBLE	NEW CONF	
-						
-	-	0.4	-	-	7/2	M

36050	CLAMP_POS_TOL			A05	A3,D1,Z1	
mm, degrees	Clamping tolerance			DOUBLE	NEW CONF	
-						
-	-	0.5	-	-	7/2	M

36052	STOP_ON_CLAMPING			A10	A3	
-	Special functions with clamped axis			BYTE	NEW CONF	
CTEQ						
-	-	0	0	0x07	2/1	M

36060	STANDSTILL_VELO_TOL			A05, A04	TE1,A2,A3,D1,Z1	
mm/min, rev/min	Threshold velocity/speed 'Axis/spindle in stop'			DOUBLE	NEW CONF	
-						
-	-	5.00,5.00,5.00,5.00,5.00,5.00,5.00...	-	-	7/2	M

36100	POS_LIMIT_MINUS			A03, A05, A11, -	TE1,R2,T1,A3,Z1	
mm, degrees	1st software limit switch minus			DOUBLE	NEW CONF	
CTEQ						
-	-	-1.0e8	-	-	7/2	M

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36110	POS_LIMIT_PLUS			A03, A05, A11, -	TE1,R2,T1,G2,A3,Z1	
mm, degrees	1st software limit switch plus			DOUBLE	NEW CONF	
CTEQ						
-	-	1.0e8	-	-	7/2	M

36120	POS_LIMIT_MINUS2			A03, A05, -	TE1,A3,Z1	
mm, degrees	2nd software limit switch minus			DOUBLE	NEW CONF	
CTEQ						
-	-	-1.0e8	-	-	7/2	M

36130	POS_LIMIT_PLUS2			A03, A05, -	TE1,A3,Z1	
mm, degrees	2nd software limit switch plus			DOUBLE	NEW CONF	
CTEQ						
-	-	1.0e8	-	-	7/2	M

36200	AX_VELO_LIMIT			A05, A11, A04	TE3,A3,G2,S1,V1	
mm/min, rev/min	Threshold value for velocity monitoring			DOUBLE	NEW CONF	
CTEQ						
-	6	11500., 11500., 11500., 11500., 11500., 11500....	-	-	7/2	M

36210	CTRLOUT_LIMIT			EXP, A05	A3,D1,G2	
%	Maximum speed setpoint			DOUBLE	NEW CONF	
CTEQ						
-	1	110.0	0	200	7/2	M

36220	CTRLOUT_LIMIT_TIME			EXP, A05	A3	
s	Delay time for speed setpoint monitoring			DOUBLE	NEW CONF	
-						
-	1	0.0	-	-	7/2	M

36300	ENC_FREQ_LIMIT			EXP, A02, A05, A06	A3,D1,R1,Z1	
-	Encoder limit frequency			DOUBLE	PowerOn	
-						
-	2	3.0e5, 3.0e5	-	-	7/2	M

36302	ENC_FREQ_LIMIT_LOW			EXP, A02, A05, A06	A3,R1,S1,Z1	
%	Encoder limit frequency for new encoder synchronization.			DOUBLE	NEW CONF	
-						
-	2	99.9, 99.9	0	100	7/2	M

36310	ENC_ZERO_MONITORING			EXP, A02, A05	A3,R1	
-	Zero mark monitoring			DWORD	NEW CONF	
-						
-	2	0, 0	-	-	7/2	M

36312	ENC_ABS_ZEROMON_WARNING			EXP, A02, A05	A3	
-	Zero mark monitoring warning level			DWORD	NEW CONF	
-						
-	2	10, 10	-	-	7/2	M

36314	ENC_ABS_ZEROMON_INITIAL			EXP, A02, A05	A3	
-	Warning level for absolute encoder power ON			DWORD	NEW CONF	
-						
-	2	1000, 1000	-	-	7/2	M

36400	CONTOUR_TOL			A05, A11	A3,D1,G2	
mm, degrees	Tolerance band for contour monitoring			DOUBLE	NEW CONF	
-						
-	-	1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0...	-	-	7/2	M

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36480	AXSPDCTRL_ACT_POS_TOL			A11, A05	-	
mm, degrees	Tolerance for speed control mode			DOUBLE	NEW CONF	
-						
-	-	5.0	-	-	-1/2	M

36500	ENC_CHANGE_TOL			A02, A05	G1,K6,K3,A3,D1,G2,Z1	
mm, degrees	Tolerance at actual position value change.			DOUBLE	NEW CONF	
-						
-	-	0.1	-	-	7/2	M

36510	ENC_DIFF_TOL			A02, A05	A3,G2	
mm, degrees	Tolerance of measuring system synchronization			DOUBLE	NEW CONF	
-						
-	-	0.0	-	-	7/2	M

36520	DES_VELO_LIMIT			A02, A05	-	
%	Threshold for setpoint velocity monitoring			DOUBLE	NEW CONF	
-						
-	-	125.0	-	-	7/2	M

36600	BRAKE_MODE_CHOICE			EXP, A05	A3,Z1	
-	Deceleration response on hardware limit switch			BYTE	PowerOn	
CTEQ						
-	-	1	0	1	7/2	M

36610	AX_EMERGENCY_STOP_TIME			A05, -	TE3,K3,A2,A3,N2,Z1	
s	Maximum time for braking ramp in case of error.			DOUBLE	NEW CONF	
-						
-	-	0.05	0.0	1.0e15	7/2	M

36620	SERVO_DISABLE_DELAY_TIME			A05, -	TE3,K3,A2,A3,N2,Z1	
s	Cutout delay servo enable			DOUBLE	NEW CONF	
-						
-	-	0.1	0.0	1.0e15	7/2	M

36690	AXIS_DIAGNOSIS			EXP, A08	-	
-	Internal data for test purposes			DWORD	PowerOn	
NBUP						
-	-	0	-	-	0/0	S

36700	DRIFT_ENABLE			EXP, A07, A09	G2	
-	Automatic drift compensation			BOOLEAN	NEW CONF	
-						
-	-	FALSE	-	-	1/1	M

36710	DRIFT_LIMIT			EXP, A07, A09	-	
%	Drift limit value for automatic drift compensation			DOUBLE	NEW CONF	
-						
-	1	0.0	0	1.e9	1/1	M

36720	DRIFT_VALUE			EXP, A07, A09	-	
%	Basic drift value			DOUBLE	NEW CONF	
-						
-	1	0.0	-1e15	1e15	1/1	M

36730	DRIVE_SIGNAL_TRACKING			A10	B3	
-	Acquisition of additional drive actual values			BYTE	PowerOn	
-						
-	-	0	0	4	7/2	M

36750	AA_OFF_MODE			A10	2.4,5.3,6.2	
-	Effect of value assignment for axial override of synchr. action.			BYTE	PowerOn	
CTEQ						
-	-	0	0	7	7/2	M

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2.5.7 Safety Integrated

36901	SAFE_FUNCTION_ENABLE			A05, -	FBSI	
-	Enable safety functions			DWORD	PowerOn	
-						
-	-	0	0	0xFFFB	7/2	M

36902	SAFE_IS_ROT_AX			A01, A05, A06, -	FBSI	
-	Rotary axis			BOOLEAN	PowerOn	
-						
-	-	FALSE	-	-	7/2	M

36903	SAFE_CAM_ENABLE			A05, -	-	
-	Function enable safe cam track			DWORD	PowerOn	
-						
-	-	0	0	0x3FFFFFFF	7/2	M

36905	SAFE_MODULO_RANGE			A02, -	FBSI	
degrees	Modulo value Safe cams			DOUBLE	PowerOn	
-						
-	-	0.0	0.0	737280.0	7/2	M

36906	SAFE_CTRLOUT_MODULE_NR			A01, A05, -	-	
-	SI drive assignment			BYTE	PowerOn	
-						
-	-	1,2,3,4,5,6,7,8,9,10,11, 12,13,14,15,16,17,18...	1	31	7/2	M

36907	SAFE_DRIVE_PS_ADDRESS			A01, A05, -	-	
-	PROFIsafe address of the drive			DWORD	PowerOn	
-						
-	-	0	-	-	7/RO	S

36910	SAFE_ENC_SEGMENT_NR			EXP, A01, A02, A05, -	FBSI	
-	Actual value assignment: type of drive			BYTE	PowerOn	
-						
-	-	5	5	5	-1/0	S

36911	SAFE_ENC_MODULE_NR			A01, A02, A05, -	FBSI	
-	Actual value assignment: drive number/measurement circuit number			BYTE	PowerOn	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0 ,0,0,0,0,0,0,0,0,0,0,0,0, 0...	0	0	-1/2	M

36912	SAFE_ENC_INPUT_NR			A01, A02, A05, -	FBSI	
-	Actual value assignm.: Input on drive module/meas. circuit board			BYTE	PowerOn	
-						
-	-	1	1	3	7/2	M

36914	SAFE_SINGLE_ENC			A01, A02, A05, -	-	
-	SI single-encoder system			BOOLEAN	PowerOn	
-						
-	-	TRUE	-	-	7/2	M

36915	SAFE_ENC_TYPE			A01, A02, A05, -	FBSI	
-	Encoder type			BYTE	PowerOn	
-						
-	-	0	0	4	-1/2	M

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36916	SAFE_ENC_IS_LINEAR			A02, A05, -	FBSI	
-	Linear scale			BOOLEAN	PowerOn	
-						
-	-	FALSE	-	-	7/2	M

36917	SAFE_ENC_GRID_POINT_DIST			A02, A05, -	FBSI	
mm	Scale division for linear scale			DOUBLE	PowerOn	
-						
-	-	0.01	0.00001	8	7/2	M

36918	SAFE_ENC_RESOL			A02, A05, -	FBSI	
-	Encoder lines per revolution			DWORD	PowerOn	
-						
-	-	2048	1	100000	7/2	M

36919	SAFE_ENC_PULSE_SHIFT			A02, A05, -	-	
-	Shift factor of encoder multiplication			BYTE	PowerOn	
-						
-	-	11	2	18	7/RO	S

36920	SAFE_ENC_GEAR_PITCH			A02, A05, -	FBSI	
mm	Lead screw pitch			DOUBLE	PowerOn	
-						
-	-	10.0	0.1	10000.	7/2	M

36921	SAFE_ENC_GEAR_DENOM			A02, A05, -	FBSI	
-	Denominator of gearbox encoder/load			DWORD	PowerOn	
-						
-	8	1, 1, 1, 1, 1, 1, 1, 1	1	2147000000	7/2	M

36922	SAFE_ENC_GEAR_NUMERA			A02, A05, -	FBSI	
-	Numerator of gearbox encoder/load			DWORD	PowerOn	
-						
-	8	1, 1, 1, 1, 1, 1, 1, 1	1	2147000000	7/2	M

36923	SAFE_INFO_ENC_RESOL			A02, A05, -	-	
mm, degrees	Safe encoder resolution			DOUBLE	PowerOn	
-						
-	8	0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0	-	-	7/RO	S

36924	SAFE_ENC_NUM_BITS			A02, A05, -	-	
-	Bit information of the redundant actual value			DWORD	PowerOn	
-						
-	4	16,2,16,16	-16	32	7/RO	S

36925	SAFE_ENC_POLARITY			A02, A05, -	FBSI	
-	Direction reversal of actual value			DWORD	PowerOn	
-						
-	-	1	-1	1	7/2	M

36926	SAFE_ENC_FREQ_LIMIT			A02, A05, -	FBSI	
-	Encoder frequency limit for safe operation			DWORD	PowerOn	
-						
-	-	500000	500000	500000	-1/2	M

36927	SAFE_ENC_MOD_TYPE			A02, A05, -	-	
-	Encoder evaluation type			BYTE	PowerOn	
-						
-	-	1	-	-	7/RO	S

36928	SAFE_ENC_IDENT			A02, A05, -	-	
-	Encoder identification			DWORD	PowerOn	
-						
-	3	0, 0, 0	-	-	7/RO	S

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36929	SAFE_ENC_CONF			A02, A05, -	-	
-	Configuration of the redundant actual value			DWORD	PowerOn	
-						
-	-	0	-	-	7/RO	S

36930	SAFE_STANDSTILL_TOL			A05, -	FBSI	
mm, degrees	Standstill tolerance			DOUBLE	PowerOn	
-						
-	-	1.	0.	100.	7/2	M

36931	SAFE_VELO_LIMIT			A05, A04, -	FBSI	
mm/min, rev/min	Limit value for safe velocity			DOUBLE	PowerOn	
-						
-	4	2000., 2000., 2000., 2000.	-	-	7/2	M

36932	SAFE_VELO_OVR_FACTOR			A05, -	FBSI	
%	SG offset values			DOUBLE	PowerOn	
-						
-	16	100.0, 100.0, 100.0, 100.0, 100.0, 100.0, 100.0, 100.0...	1.0	100.0	7/2	M

36933	SAFE_DES_VELO_LIMIT			A05, A04, -	FBSI	
%	SG setpoint speed limit			DOUBLE	Reset	
-						
-	-	0.0	0	100	7/2	M

36934	SAFE_POS_LIMIT_PLUS			A03, A05, -	FBSI	
mm, degrees	Upper limit of safe end position			DOUBLE	PowerOn	
-						
-	2	100000., 100000.	-2147000	2147000	7/2	M

36935	SAFE_POS_LIMIT_MINUS			A03, A05, -	FBSI	
mm, degrees	Lower limit of safe end position			DOUBLE	PowerOn	
-						
-	2	-100000., -100000.	-2147000	2147000	7/2	M

36936	SAFE_CAM_POS_PLUS			A03, A05, -	FBSI	
mm, degrees	Plus cam position for safe cams			DOUBLE	PowerOn	
-						
-	30	10., 10., 10., 10., 10., 10., 10., 10., 10., 10., 10., 10....	-2147000	2147000	7/2	M

36937	SAFE_CAM_POS_MINUS			A03, A05, -	FBSI	
mm, degrees	Minus cam position for safe cams			DOUBLE	PowerOn	
-						
-	30	-10., -10., -10., -10., -10., -10., -10., -10., -10., -10....	-2147000	2147000	7/2	M

36938	SAFE_CAM_TRACK_ASSIGN			A03, A05, -	FBSI	
-	Cam track assignment			DWORD	PowerOn	
-						
-	30	100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112...	100	414	7/2	M

36940	SAFE_CAM_TOL			A05, -	FBSI	
mm, degrees	Tolerance for safe cams			DOUBLE	PowerOn	
-						
-	-	0.1	0.001	10	7/2	M

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36942	SAFE_POS_TOL			A05, -	FBSI	
mm, degrees	Tolerance actual value cross-check			DOUBLE	PowerOn	
-						
-	-	0.1	0.001	360	7/2	M

36944	SAFE_REFP_POS_TOL			A05, -	FBSI	
mm, degrees	Tolerance actual value check (referencing)			DOUBLE	PowerOn	
-						
-	-	0.01	0	36	7/2	M

36946	SAFE_VELO_X			A05, -	FBSI	
mm/min, rev/min	Velocity limit n_x			DOUBLE	PowerOn	
-						
-	-	20.	0.	6000.	7/2	M

36948	SAFE_STOP_VELO_TOL			A05, -	FBSI	
mm/min, rev/min	Velocity tolerance for Safe monitoring of acceleration			DOUBLE	PowerOn	
-						
-	-	300.	0.	120000.	7/2	M

36949	SAFE_SLIP_VELO_TOL			A05, -	FBSI	
mm/min, rev/min	Slip velocity tolerance			DOUBLE	PowerOn	
-						
-	-	6.	0.	6000.	7/2	M

36950	SAFE_MODE_SWITCH_TIME			A05, -	FBSI	
s	Tolerance time for SGE switchover			DOUBLE	PowerOn	
-						
-	-	0.5	0	10.	7/2	M

36951	SAFE_VELO_SWITCH_DELAY			A05, -	FBSI	
s	Delay time for velocity changeover			DOUBLE	PowerOn	
-						
-	-	0.1	0	600.	7/2	M

36952	SAFE_STOP_SWITCH_TIME_C			A05, -	FBSI	
s	Transition time STOP C to safe standstill			DOUBLE	PowerOn	
-						
-	-	0.1	0	600.	7/2	M

36953	SAFE_STOP_SWITCH_TIME_D			A05, -	FBSI	
s	Transition time STOP D to safe standstill			DOUBLE	PowerOn	
-						
-	-	0.1	0	600.	7/2	M

36954	SAFE_STOP_SWITCH_TIME_E			A05, -	FBSI	
s	Transitional period STOP E to safe standstill			DOUBLE	PowerOn	
-						
-	-	0.1	0	600.	7/2	M

36955	SAFE_STOP_SWITCH_TIME_F			A05, -	FBSI	
s	Transition time STOP F to STOP B			DOUBLE	PowerOn	
-						
-	-	0.0	0	600.	7/2	M

36956	SAFE_PULSE_DISABLE_DELAY			A05, -	FBSI	
s	Delay time for pulse suppression			DOUBLE	PowerOn	
-						
-	-	0.1	0	600.	7/2	M

36957	SAFE_PULSE_DIS_CHECK_TIME			A05, -	FBSI	
s	Time for checking pulse suppression			DOUBLE	PowerOn	
-						
-	-	0.1	0	10	7/2	M

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36958	SAFE_ACCEPTANCE_TST_TIMEOUT			A05, -	FBSI	
s	Time limit for acceptance test duration			DOUBLE	PowerOn	
-						
-	-	40.0	5	100	7/2	M

36960	SAFE_STANDSTILL_VELO_TOL			A05, A04, -	FBSI	
mm/min, rev/min	Creep speed for pulse suppression			DOUBLE	PowerOn	
-						
-	-	0.0	0.0	6000.	7/2	M

36961	SAFE_VELO_STOP_MODE			A05, -	FBSI	
-	Stop reaction for safe velocity			BYTE	PowerOn	
-						
-	-	5	0	14	7/2	M

36962	SAFE_POS_STOP_MODE			A05, -	FBSI	
-	Stop reaction for safe end position			BYTE	PowerOn	
-						
-	-	2	2	4	7/2	M

36963	SAFE_VELO_STOP_REACTION			A05, -	FBSI	
-	Stop reaction for safe velocity			BYTE	PowerOn	
-						
-	4	2, 2, 2, 2	0	14	7/2	M

36964	SAFE_IPO_STOP_GROUP			A01, A05, -	FBSI	
-	Safety-integrated IPO-response grouping			BYTE	Reset	
-						
-	-	0	0	1	7/2	M

36965	SAFE_PARK_ALARM_SUPPRESS			A01, -	FBSI	
-	Alarm suppression on parking axis			BOOLEAN	PowerOn	
-						
-	-	FALSE	-	-	7/2	M

36966	SAFE_BRAKETEST_TORQUE			A05, A10, -	FBSI	
%	Holding torque for brake test			DOUBLE	PowerOn	
CTEQ						
-	-	5.0	0.0	800.0	7/2	M

36967	SAFE_BRAKETEST_POS_TOL			A05, A10, -	FBSI	
mm, degrees	Position tolerance for brake test			DOUBLE	PowerOn	
CTEQ						
-	-	1.0	-	-	7/2	M

36968	SAFE_BRAKETEST_CONTROL			A05, A10, -	-	
-	Advanced settings for the brake test			DWORD	PowerOn	
CTEQ						
-	-	0	0	1	7/2	M

36969	SAFE_BRAKETEST_TORQUE_NORM			A05, A10, -	FBSI	
kgm²	Reference variable for brake test holding torque			DOUBLE	PowerOn	
CTEQ						
-	-	0.0	-	-	7/RO	S

36970	SAFE_SVSS_DISABLE_INPUT			A01, A05, -	FBSI	
-	Input assignment SBH/SG deselection			DWORD	PowerOn	
-						
-	-	0	-	-	7/2	M

36971	SAFE_SS_DISABLE_INPUT			A01, A05, -	FBSI	
-	Input assignment SBH deselection			DWORD	PowerOn	
-						
-	-	0	-	-	7/2	M

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36972	SAFE_VELO_SELECT_INPUT			A01, A05, -	FBSI	
-	Input assignment SG selection			DWORD	PowerOn	
-						
-	2	0, 0	-	-	7/2	M

36973	SAFE_POS_SELECT_INPUT			A01, A05, -	FBSI	
-	Input assignment SE selection			DWORD	PowerOn	
-						
-	-	0	-	-	7/2	M

36974	SAFE_GEAR_SELECT_INPUT			A01, A05, -	FBSI	
-	Input assignment speed ratio selection			DWORD	PowerOn	
-						
-	3	0, 0, 0	-	-	7/2	M

36975	SAFE_STOP_REQUEST_INPUT			A01, A05, -	FBSI	
-	Input assignment test stop selection			DWORD	PowerOn	
-						
-	-	0	-	-	-1/2	M

36976	SAFE_PULSE_STATUS_INPUT			A01, A05, -	FBSI	
-	Input assignment status pulses suppressed			DWORD	PowerOn	
-						
-	-	0	-	-	-1/2	M

36977	SAFE_EXT_STOP_INPUT			A01, A05, -	FBSI	
-	Input assignment for external stop request			DWORD	PowerOn	
-						
-	4	0, 0, 0, 0	-	-	7/2	M

36978	SAFE_OVR_INPUT			A01, A05, -	FBSI	
-	Input assignment for SG override			DWORD	PowerOn	
-						
-	4	0, 0, 0, 0	-	-	7/2	M

36979	SAFE_STOP_REQUEST_EXT_INPUT			A01, A05, -	FBSI	
-	Input assignment for test of external shutdown			DWORD	PowerOn	
-						
-	-	0	-	-	-1/2	M

36980	SAFE_SVSS_STATUS_OUTPUT			A01, A05, -	FBSI	
-	Output assignment SBH/SG active			DWORD	PowerOn	
-						
-	-	0	-	-	7/2	M

36981	SAFE_SS_STATUS_OUTPUT			A01, A05, -	FBSI	
-	Output assignment SBH active			DWORD	PowerOn	
-						
-	-	0	-	-	7/2	M

36982	SAFE_VELO_STATUS_OUTPUT			A01, A05, -	FBSI	
-	Output assignment for active SG selection			DWORD	PowerOn	
-						
-	2	0, 0	-	-	7/2	M

36984	SAFE_EXT_PULSE_ENAB_OUTPUT			A01, A05, -	FBSI	
-	Output assignment enable for pulses external			DWORD	PowerOn	
-						
-	-	0	-	-	-1/2	M

36985	SAFE_VELO_X_STATUS_OUTPUT			A01, A05, -	FBSI	
-	Output assignment n < n_x			DWORD	PowerOn	
-						
-	-	0	-	-	7/2	M

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36986	SAFE_PULSE_ENABLE_OUTPUT			A01, A05, -	FBSI	
-	Output assignment enable pulses			DWORD	PowerOn	
-						
-	-	0	-	-	-1/2	M

36987	SAFE_REFP_STATUS_OUTPUT			A01, A05, -	FBSI	
-	Output assignment axis safely referenced			DWORD	PowerOn	
-						
-	-	0	-	-	7/2	M

36988	SAFE_CAM_PLUS_OUTPUT			A01, A05, -	FBSI	
-	Output assignment SN1 + to SN4 +			DWORD	PowerOn	
-						
-	4	0, 0, 0, 0	-	-	7/2	M

36989	SAFE_CAM_MINUS_OUTPUT			A01, A05, -	FBSI	
-	Output assignment SN1 - to SN4 -			DWORD	PowerOn	
-						
-	4	0, 0, 0, 0	-	-	7/2	M

36990	SAFE_ACT_STOP_OUTPUT			A01, A05, -	FBSI	
-	Output assignment of active stop			DWORD	PowerOn	
-						
-	4	0, 0, 0, 0	-	-	7/2	M

36992	SAFE_CROSSCHECK_CYCLE			A01, A05, A08, -	FBSI	
s	Display of axial cross-check cycle			DOUBLE	PowerOn	
-						
-	-	0.0	-	-	7/RO	S

36993	SAFE_CONFIG_CHANGE_DATE			EXP, A07, A05, -	FBSI	
-	Date/time of last change of SI axis MD			STRING	PowerOn	
-						
-	7	, , , , , ,	-	-	7/RO	S

36994	SAFE_PREV_CONFIG			EXP, A07, A05, -	FBSI	
-	Data of previous safety axis configuration			DWORD	PowerOn	
-						
-	9	0, 0, 0, 0, 0, 0, 0, 0, 0	-	-	0/RO	S

36995	SAFE_STANDSTILL_POS			A07, A05, -	FBSI	
-	Standstill position			DWORD	PowerOn	
-						
-	-	0	-	-	0/0	S

36997	SAFE_ACKN			A07, A05, -	FBSI	
-	User acknowledge			DWORD	PowerOn	
-						
-	-	0	-	-	7/2	M

36998	SAFE_ACT_CHECKSUM			EXP, A07, A05, -	FBSI	
-	Actual checksum			DWORD	PowerOn	
-						
-	3	0, 0, 0	-	-	7/RO	S

36999	SAFE_DES_CHECKSUM			EXP, A07, A05, -	FBSI	
-	Desired (expected) checksum			DWORD	PowerOn	
-						
-	3	0, 0, 0	-	-	7/1	M

2.5.8 Travel to fixed stop

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37000	FIXED_STOP_MODE			A10, -	-	
-	Travel to fixed stop mode			BYTE	PowerOn	
CTEQ						
-	-	0x0	0x0	0x3	7/2	M

37002	FIXED_STOP_CONTROL			A10	F1	
-	Sequence control for travel to fixed stop			BYTE	PowerOn	
-						
-	-	0x0	0x0	0x3	7/2	M

37010	FIXED_STOP_TORQUE_DEF			A10	-	
%	Default fixed stop clamping torque			DOUBLE	PowerOn	
CTEQ						
-	-	5.0	0.0	100.0	7/2	M

37012	FIXED_STOP_TORQUE_RAMP_TIME			A10	-	
s	Time period until reaching the changed torque limit			DOUBLE	NEW CONF	
-						
-	-	0.0	-	-	7/2	M

37014	FIXED_STOP_TORQUE_FACTOR			A10	TE3	
-	Adaption factor torque limit			DOUBLE	NEW CONF	
-						
-	-	1.0	-	-	7/2	M

37020	FIXED_STOP_WINDOW_DEF			A05, A10	-	
mm, degrees	Default fixed-stop monitoring window			DOUBLE	PowerOn	
CTEQ						
-	-	1.0	0.0	1.0e15	7/2	M

37030	FIXED_STOP_THRESHOLD			A10, -	-	
mm, degrees	Threshold for fixed stop detection			DOUBLE	NEW CONF	
-						
-	-	2.0	0.0	1.0e15	7/2	M

37040	FIXED_STOP_BY_SENSOR			A10	-	
-	Fixed stop detection by sensor			BYTE	Immediately	
CTEQ						
-	-	0	0	3	7/2	M

37050	FIXED_STOP_ALARM_MASK			A05, A10	-	
-	Enable of the fixed stop alarms			BYTE	NEW CONF	
-						
-	-	1	0	15	7/2	M

37052	FIXED_STOP_ALARM_REACTION			A05, A10	-	
-	Reaction with fixed stop alarms			BYTE	PowerOn	
-						
-	-	0	-	-	7/1	M

37060	FIXED_STOP_ACKN_MASK			A10	-	
-	Waiting for PLC acknowledgements during travel to fixed stop			BYTE	PowerOn	
CTEQ						
-	-	0x0	0x0	0x3	7/2	M

37070	FIXED_STOP_ANA_TORQUE			A10	-	
%	Torque limit when approaching the fixed stop for analog drives			DOUBLE	PowerOn	
CTEQ						
-	-	5.0	0.0	100.0	7/2	M

37080	FOC_ACTIVATION_MODE			A10	-	
-	Initial setting of modal torque/force limitation			BYTE	PowerOn	
-						
-	-	0x0	0x0	0x3	7/2	M

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37100	GANTRY_AXIS_TYPE			A01, A10	G1,TE1,Z3	
-	Gantry axis definition			BYTE	PowerOn	
CTEQ						
-	-	0	0	33	7/2	M

37110	GANTRY_POS_TOL_WARNING			A05, A10	G1,Z3	
mm, degrees	Gantry warning limit			DOUBLE	Reset	
-						
-	-	0.0	-1e15	1e15	7/2	M

37120	GANTRY_POS_TOL_ERROR			A05, A10	G1,Z3	
mm, degrees	Gantry trip limit			DOUBLE	PowerOn	
-						
-	-	0.0	-1e15	1e15	7/2	M

37130	GANTRY_POS_TOL_REF			A05, A10	G1,Z3	
mm, degrees	Gantry trip limit during referencing			DOUBLE	PowerOn	
-						
-	-	0.0	-1e15	1e15	7/2	M

37135	GANTRY_ACT_POS_TOL_ERROR			A05, A10	-	
mm, degrees	Current gantry trip limit			DOUBLE	Reset	
-						
-	-	0.0	-	-	7/2	M

37140	GANTRY_BREAK_UP			EXP, A01, A10	G1,Z3	
-	Invalidate gantry axis grouping			BOOLEAN	Reset	
CTEQ						
-	-	FALSE	-	-	7/2	M

37150	GANTRY_FUNCTION_MASK			A10	-	
-	Gantry functions			DWORD	Reset	
-						
-	-	0x00	0	0x7	7/2	M

37160	LEAD_FUNCTION_MASK			A10	M3	
-	Functions for master value coupling			DWORD	NEW CONF	
CTEQ						
-	-	0x01	0	0x3	1/1	M

37200	COUPLE_POS_TOL_COARSE			A05, A10	M3,S3,2.4,6.2	
mm, degrees	Threshold value for 'Synchronism coarse'			DOUBLE	NEW CONF	
-						
-	-	1.0	0.0	1.0e15	7/2	M

37202	COUPLE_POS_TOL_COARSE_2			A05, A10	-	
mm, degrees	Second threshold value for 'synchronism monitoring coarse'			DOUBLE	NEW CONF	
-						
-	-	2.0	0.0	1.0e15	0/0	S

37210	COUPLE_POS_TOL_FINE			A05, A10	M3,S3,2.4	
mm, degrees	Threshold value for 'Synchronism fine'			DOUBLE	NEW CONF	
-						
-	-	0.5	0.0	1.0e15	7/2	M

37212	COUPLE_POS_TOL_FINE_2			A05, A10	-	
mm, degrees	Second threshold value for 'synchronism monitoring fine'			DOUBLE	NEW CONF	
-						
-	-	1.0	0.0	1.0e15	0/0	S

37220	COUPLE_VELO_TOL_COARSE			A05, A10	S3	
mm/min, rev/min	Velocity tolerance 'coarse'			DOUBLE	NEW CONF	
-						
-	-	60.0	-	-	7/2	M

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37230	COUPLE_VELO_TOL_FINE			A05, A10	S3	
mm/min, rev/min	Velocity tolerance 'fine'			DOUBLE	NEW CONF	
-						
-	-	30.0	-	-	7/2	M

37240	COUP_SYNC_DELAY_TIME			A05, A10	-	
s	Delay time actual value synchronism			DOUBLE	NEW CONF	
-						
-	2	60, 30	-	-	7/2	M

37250	MS_ASSIGN_MASTER_SPEED_CMD			A10	TE3	
-	Master axis number for speed setpoint coupling			DWORD	PowerOn	
-						
-	-	0	0	31	7/2	M

37252	MS_ASSIGN_MASTER_TORQUE_CTR			A10	TE3	
-	Master axis number for torque control			DWORD	PowerOn	
-						
-	-	0	0	31	7/2	M

37253	MS_FUNCTION_MASK			A10	TE3	
-	Master/slave settings			DWORD	NEW CONF	
-						
-	-	0x0	-	-	7/2	M

37254	MS_TORQUE_CTRL_MODE			A10	TE3	
-	Torque compensatory controller interconnection			DWORD	Immediately	
-						
-	-	0	0	3	7/2	M

37255	MS_TORQUE_CTRL_ACTIVATION			A10	TE3	
-	Torque compensatory controller activation			BYTE	NEW CONF	
-						
-	-	0	0	1	7/2	M

37256	MS_TORQUE_CTRL_P_GAIN			A10	TE3	
%	Torque compensatory controller gain factor			DOUBLE	NEW CONF	
-						
-	-	0.0	0.0	100.0	7/2	M

37258	MS_TORQUE_CTRL_I_TIME			A10	TE3	
s	Torque compensatory controller integral action time			DOUBLE	NEW CONF	
-						
-	-	0.0	0.0	100.0	7/2	M

37260	MS_MAX_CTRL_VELO			A10	TE3	
%	Torque compensatory controller limit			DOUBLE	NEW CONF	
-						
-	-	100.0	0.0	100.0	7/2	M

37262	MS_COUPLING_ALWAYS_ACTIVE			A10	TE3	
-	Permanent master/slave link			BYTE	NEW CONF	
-						
-	-	0	0	1	7/2	M

37263	MS_SPIND_COUPLING_MODE			A10	TE3	
-	Link response of a spindle			BYTE	NEW CONF	
-						
-	-	0	0	1	7/2	M

37264	MS_TENSION_TORQUE			A10	TE3	
%	Master/slave tension torque			DOUBLE	Immediately	
-						
-	-	0.0	-100.0	100.0	7/2	M

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37266	MS_TENSION_TORQ_FILTER_TIME			A10	TE3	
s	Filter time constant tension torque			DOUBLE	NEW CONF	
-						
-	-	0.0	0.0	100.0	7/2	M

37268	MS_TORQUE_WEIGHT_SLAVE			A10	TE3	
%	Torque weighting of slave axis			DOUBLE	NEW CONF	
-						
-	-	50.0	1.0	100.0	7/2	M

37270	MS_VELO_TOL_COARSE			A10	TE3,Z3	
%	Master/slave speed tolerance coarse			DOUBLE	NEW CONF	
-						
-	-	5.0	-	-	7/2	M

37272	MS_VELO_TOL_FINE			A10	TE3,Z3	
%	Master/slave speed tolerance fine			DOUBLE	NEW CONF	
-						
-	-	1.0	-	-	7/2	M

37274	MS_MOTION_DIR_REVERSE			A10	-	
-	Inverting traversing direction slave axis			BYTE	NEW CONF	
-						
-	-	0	0	1	7/2	M

37400	EPS_TLIFT_TANG_STEP			A10	T3	
mm, degrees	Tangent angle for corner recognition			DOUBLE	Reset	
CTEQ						
-	-	5.0	-	-	7/2	M

37402	TANG_OFFSET			A10	T3	
mm, degrees	Default angle for tangential correction			DOUBLE	Reset	
CTEQ						
-	-	0.0	-	-	7/2	M

37500	ESR_REACTION			EXP, A01, A10, -	M3,P2	
-	Axial mode of "Extended Stop and Retract"			BYTE	NEW CONF	
CTEQ						
-	-	0	0	22	7/2	M

37510	AX_ESR_DELAY_TIME1			EXP, A01, A10, -	P2	
s	Delay time ESR single axis			DOUBLE	NEW CONF	
CTEQ						
-	-	0.0	-	-	7/2	M

37511	AX_ESR_DELAY_TIME2			EXP, A01, A10, -	P2	
s	ESR time for interpolatory deceleration of single axis			DOUBLE	NEW CONF	
CTEQ						
-	-	0.0	-	-	7/2	M

37550	EG_VEL_WARNING			A05, A10	M3,Z3	
%	Threshold value for velocity warning threshold.			DOUBLE	NEW CONF	
-						
-	-	90.0	0	100	7/2	M

37560	EG_ACC_TOL			A05, A10	M3,Z3	
%	Threshold value for 'Axis accelerating'			DOUBLE	NEW CONF	
-						
-	-	25.0	-	-	7/2	M

37600	PROFIBUS_ACTVAL_LEAD_TIME			EXP, A01, A02	-	
s	Actual value acquisition time (PROFIBUS/PROFINET Ti)			DOUBLE	PowerOn	
-						
-	-	0.000125	0.0	0.032	0/0	S

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37602	PROFIBUS_OUTVAL_DELAY_TIME			EXP, A01, A02	-	
s	Setpoint delay time (PROFIBUS/PROFINET To)			DOUBLE	PowerOn	
-						
-	-	0.003	0.0	0.032	0/0	S

37610	PROFIBUS_CTRL_CONFIG			EXP, A01	-	
-	PROFIdrive control bit configuration			BYTE	PowerOn	
-						
-	-	0	0	2	7/2	M

37620	PROFIBUS_TORQUE_RED_RESOL			EXP, A01	-	
%	Resolution PROFIdrive torque reduction			DOUBLE	NEW CONF	
-						
-	-	1.0	0.005	10.0	7/2	M

37800	OEM_AXIS_INFO			A01, A11	-	
-	OEM version information			STRING	PowerOn	
-						
-	2	,	-	-	7/2	M

37900	SAFE_CAM_TRACK_OUTPUT			A01, A05, -	FBSI	
-	Output assignment cam track 1 to 4			DWORD	PowerOn	
-						
-	4	0, 0, 0, 0	-	-	7/2	M

37901	SAFE_CAM_RANGE_OUTPUT_1			A01, A05, -	FBSI	
-	Output assignment cam range for cam track 1			DWORD	PowerOn	
-						
-	4	0, 0, 0, 0	-	-	7/2	M

37902	SAFE_CAM_RANGE_OUTPUT_2			A01, A05, -	FBSI	
-	Output assignment cam range for cam track 2			DWORD	PowerOn	
-						
-	4	0, 0, 0, 0	-	-	7/2	M

37903	SAFE_CAM_RANGE_OUTPUT_3			A01, A05, -	FBSI	
-	Output assignment cam range for cam track 3			DWORD	PowerOn	
-						
-	4	0, 0, 0, 0	-	-	7/2	M

37904	SAFE_CAM_RANGE_OUTPUT_4			A01, A05, -	FBSI	
-	Output assignment cam range for cam track 4			DWORD	PowerOn	
-						
-	4	0, 0, 0, 0	-	-	7/2	M

37906	SAFE_CAM_RANGE_BIN_OUTPUT_1			A01, A05, -	FBSI	
-	Output assignment cam range bit for cam track 1			DWORD	PowerOn	
-						
-	15	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	-	-	7/2	M

37907	SAFE_CAM_RANGE_BIN_OUTPUT_2			A01, A05, -	FBSI	
-	Output assignment cam range bit for cam track 2			DWORD	PowerOn	
-						
-	15	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	-	-	7/2	M

37908	SAFE_CAM_RANGE_BIN_OUTPUT_3			A01, A05, -	FBSI	
-	Output assignment cam range bit for cam track 3			DWORD	PowerOn	
-						
-	15	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	-	-	7/2	M

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37909	SAFE_CAM_RANGE_BIN_OUTPUT_4			A01, A05, -	FBSI	
-	Output assignment cam range bit for cam track 4			DWORD	PowerOn	
-						
-	15	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	-	-	7/2	M

2.5.9 Axis-specific memory settings

38000	MM_ENC_COMP_MAX_POINTS			A01, A09, A02	K3	
-	Number of intermediate points for interpol. compensation (SRAM)			DWORD	PowerOn	
-						
-	2	0, 0	0	5000	7/2	M

38010	MM_QEC_MAX_POINTS			A01, A09	K3	
-	Number of values for quadrant error compens. with neural network			DWORD	PowerOn	
-						
-	1	0	0	1040	7/2	M

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2.6 Setting data

Number	Identifier			Display filters	Reference	
Unit	Name			Data type	Active	
Attributes						
System	Dimension	Default value	Minimum value	Maximum value	Protection	Class

2.6.1 General setting data

41010	JOG_VAR_INCR_SIZE			-	H1	
-	Size of the variable increment for JOG			DOUBLE	Immediately	
-						
-	-	0.	-	-	7/7	U

41050	JOG_CONT_MODE_LEVELTRIGGRD			-	H1	
-	Jog mode / continuous operation with continuous JOG			BOOLEAN	Immediately	
-						
-	-	TRUE	-	-	7/7	U

41100	JOG_REV_IS_ACTIVE			-	-	
-	JOG mode: (1) revolutional feedrate / (0) feedrate			BYTE	Immediately	
-						
-	-	0x0E	-	-	7/7	U

41110	JOG_SET_VELO			-	H1	
mm/min	Axis velocity in JOG			DOUBLE	Immediately	
-						
-	-	0.0	-	-	7/7	U

41120	JOG_REV_SET_VELO			-	H1	
mm/rev	Revolutional feedrate of axes in JOG mode			DOUBLE	Immediately	
-						
-	-	0.0	-	-	7/7	U

41130	JOG_ROT_AX_SET_VELO			-	H1	
rev/min	Axis velocity for rotary axes in JOG mode			DOUBLE	Immediately	
-						
-	-	0.0	-	-	7/7	U

41200	JOG_SPIND_SET_VELO			-	H1	
rev/min	Speed for spindle JOG mode			DOUBLE	Immediately	
-						
-	-	0.0	-	-	7/7	U

41300	CEC_TABLE_ENABLE			-	K3	
-	Compensation table enable			BOOLEAN	Immediately	
-						
-	62	FALSE,FALSE,FALSE, FALSE,FALSE,FALSE.. -	-	-	7/7	U

41310	CEC_TABLE_WEIGHT			-	K3	
-	Weighting factor compensation table			DOUBLE	Immediately	
-						
-	62	1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0...	-	-	7/7	U

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41500	SW_CAM_MINUS_POS_TAB_1			-	N3	
mm/inch, degrees	Trigger points at falling cam 1-8			DOUBLE	Immediately	
-						
-	8	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0	-	-	7/7	U

41501	SW_CAM_PLUS_POS_TAB_1			-	N3	
mm/inch, degrees	Trigger points at rising cam edge 1-8			DOUBLE	Immediately	
-						
-	8	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0	-	-	7/7	U

41502	SW_CAM_MINUS_POS_TAB_2			-	N3	
mm/inch, degrees	Trigger points at falling cam edge 9-16			DOUBLE	Immediately	
-						
-	8	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0	-	-	7/7	U

41503	SW_CAM_PLUS_POS_TAB_2			-	N3	
mm/inch, degrees	Trigger points at rising cam edge 9-16			DOUBLE	Immediately	
-						
-	8	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0	-	-	7/7	U

41504	SW_CAM_MINUS_POS_TAB_3			-	N3	
mm/inch, degrees	Trigger points at falling cam edge 17-24			DOUBLE	Immediately	
-						
-	8	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0	-	-	7/7	U

41505	SW_CAM_PLUS_POS_TAB_3			-	N3	
mm/inch, degrees	Trigger points at rising cam edge 17-24			DOUBLE	Immediately	
-						
-	8	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0	-	-	7/7	U

41506	SW_CAM_MINUS_POS_TAB_4			-	N3	
mm/inch, degrees	Trigger points at falling cam edge 25-32			DOUBLE	Immediately	
-						
-	8	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0	-	-	7/7	U

41507	SW_CAM_PLUS_POS_TAB_4			-	N3	
mm/inch, degrees	Trigger points at rising cam edge 25-32			DOUBLE	Immediately	
-						
-	8	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0	-	-	7/7	U

41520	SW_CAM_MINUS_TIME_TAB_1			-	N3	
s	Rate time for '-' trigger points of cams 1-8			DOUBLE	Immediately	
-						
-	8	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0	-	-	7/7	U

41521	SW_CAM_PLUS_TIME_TAB_1			-	N3	
s	Rate time for '+' trigger points of cams 1-8			DOUBLE	Immediately	
-						
-	8	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0	-	-	7/7	U

41522	SW_CAM_MINUS_TIME_TAB_2			-	N3	
s	Rate time for '-' trigger points of cams 9-16			DOUBLE	Immediately	
-						
-	8	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0	-	-	7/7	U

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41523	SW_CAM_PLUS_TIME_TAB_2			-	N3	
s	Rate time for '+' trigger points of cams 9-16			DOUBLE	Immediately	
-						
-	8	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0	-	-	7/7	U

41524	SW_CAM_MINUS_TIME_TAB_3			-	N3	
s	Rate time for '-' trigger points of cams 17-24			DOUBLE	Immediately	
-						
-	8	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0	-	-	7/7	U

41525	SW_CAM_PLUS_TIME_TAB_3			-	N3	
s	Rate time for '+' trigger points of cams 17-24			DOUBLE	Immediately	
-						
-	8	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0	-	-	7/7	U

41526	SW_CAM_MINUS_TIME_TAB_4			-	N3	
s	Rate time for '-' trigger points of cams 25-32			DOUBLE	Immediately	
-						
-	8	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0	-	-	7/7	U

41527	SW_CAM_PLUS_TIME_TAB_4			-	N3	
s	Rate time for '+' trigger points of cams 25-32			DOUBLE	Immediately	
-						
-	8	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0	-	-	7/7	U

41600	COMPAR_THRESHOLD_1			-	A4	
-	Threshold value of the 1st comparator			DOUBLE	Immediately	
-						
-	8	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0	-	-	7/7	U

41601	COMPAR_THRESHOLD_2			-	A4	
-	Threshold value of the 2nd comparator			DOUBLE	Immediately	
-						
-	8	0.0,0.0,0.0,0.0,0.0,0.0,0.0,0.0	-	-	7/7	U

41700	AXCT_SWWIDTH			-	B3	
-	Default rotation of axis container			DWORD	NEW CONF	
CTDE						
-	16	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-32	32	7/7	U

2.6.2 Channel-specific setting data

42000	THREAD_START_ANGLE			-	K1	
degrees	Starting angle for thread			DOUBLE	Immediately	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0....	-	-	7/7	U

42010	THREAD_RAMP_DISP			-	V1	
mm	Acceleration behavior of axis when thread cutting			DOUBLE	Immediately	
-						
-	2	-1., -1.,-1., -1.,-1., -1.,-1., -1....	-1.	999999.	7/7	U

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42100	DRY_RUN_FEED			-	V1	
mm/min	Dry run feedrate			DOUBLE	Immediately	
-						
-	-	5000.,5000.,5000.,5000.,5000.,5000....	-	-	7/7	U

42101	DRY_RUN_FEED_MODE			-	V1	
-	Mode for dry run velocity			BYTE	Immediately	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	12	7/7	U

42110	DEFAULT_FEED			-	V1,FBFA	
mm/min	Path feed default value			DOUBLE	Immediately	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0....	-	-	7/7	U

42120	APPROACH_FEED			-	-	
mm/min	Path feedrate in approach blocks			DOUBLE	Immediately	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0....	-	-	7/7	U

42122	OVR_RAPID_FACTOR			-	$MN_OVR_FACTOR_RAPID_TRA,$AC_OVR	
%	Add. rapid traverse override can be specified through operation			DOUBLE	Immediately	
-						
-	-	100.,100.,100.,100.,100.,100.,100....	-	-	7/7	U

42125	SERUPRO_SYNC_MASK			-	-	
-	Synchronization in approach blocks			DWORD	Immediately	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

42140	DEFAULT_SCALE_FACTOR_P			-	FBFA	
-	Default scaling factor for address P			DWORD	Immediately	
-						
-	-	1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1	-	-	7/7	U

42150	DEFAULT_ROT_FACTOR_R			-	-	
-	Default rotation factor for address R			DOUBLE	Immediately	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0....	-	-	7/7	U

42160	EXTERN_FIXED_FEEDRATE_F1_F9			-	FBFA	
-	Fixed feedrates F1 - F9			DOUBLE	Immediately	
-						
-	10	0., 0., 0., 0., 0., 0., 0., 0., 0., 0....	-	-	7/7	U

42162	EXTERN_DOUBLE_TURRET_DIST			-	FBFA	
-	Double turret head tool distance			DOUBLE	Immediately	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0....	-	-	7/7	U

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42200	SINGLEBLOCK2_STOPRE			-	BA	
-	Activate SBL2 debug mode			BOOLEAN	Immediately	
-						
-	-	FALSE,FALSE,FALSE, FALSE,FALSE,FALSE.. -	-	-	7/7	U

42300	COUPLE_RATIO_1			-	-	
-	Speed ratio for synchr. spindle mode, numerator, denominator			DOUBLE	Immediately	
-						
-	2	1.0, 1.0,1.0, 1.0,1.0, 1.0,1.0, 1.0...	-1.0e8	1.0e8	7/7	U

42400	PUNCH_DWELLTIME			-	N4	
s	Dwell time for punching and nibbling			DOUBLE	Immediately	
-						
-	-	1.0,0.0,0.0,0.0,0.0,0.0,0,0,0.0,0.0...	-	-	7/7	U

42402	NIBPUNCH_PRE_START_TIME			-	N4	
s	Delay time (punch/nibble) with G603			DOUBLE	Immediately	
-						
-	-	.02,0.0,0.0,0.0,0.0,0.0,0,0,0.0,0.0...	-	-	7/7	U

42404	MINTIME_BETWEEN_STROKES			-	N4	
s	Minimum time between 2 strokes in seconds			DOUBLE	Immediately	
-						
-	-	0.0,0.0,0.0,0.0,0.0,0.0,0,0,0.0,0.0...	-	-	7/7	U

42440	FRAME_OFFSET_INCR_PROG			-	K1,K2	
-	Traversing from zero offset with incr. programming			BOOLEAN	Immediately	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,...	-	-	7/7	U

42442	TOOL_OFFSET_INCR_PROG			-	W1,K1	
-	Traversing from zero offset with incr. programming			BOOLEAN	Immediately	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,...	-	-	7/7	U

42444	TARGET_BLOCK_INCR_PROG			-	BA	
-	Set down mode after search run with calculation			BOOLEAN	Immediately	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,...	-	-	7/7	U

42450	CONTPREC			-	B1,K6	
mm	Contour accuracy			DOUBLE	Immediately	
-						
-	-	0.1,0.1,0.1,0.1,0.1,0.1,0,0.1,0.1,0.1...	0.000001	999999.	7/7	U

42460	MINFEED			-	B1,K6	
mm/min	Minimum path feedrate for CPRECON			DOUBLE	Immediately	
-						
-	-	1.,1.,1.,1.,1.,1.,1.,1.,1.,1.,1.,1.,1....	0.000001	999999.	7/7	U

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42465	SMOOTH_CONTUR_TOL			-	B1	
mm	maximum contour tolerance on smoothing			DOUBLE	Immediately	
-						
-	-	0.05,0.05,0.05,0.05,0.05,0.05,0.05...	0.000001	999999.	7/7	U

42466	SMOOTH_ORI_TOL			-	B1	
degrees	Maximum deviation of tool orientation during smoothing.			DOUBLE	Immediately	
-						
-	-	0.05,0.05,0.05,0.05,0.05,0.05,0.05...	0.000001	90.	7/7	U

42470	CRIT_SPLINE_ANGLE			-	W1,PGA	
degrees	Corner limit angle for compressor			DOUBLE	Immediately	
-						
-	-	36.0,36.0,36.0,36.0,36.0,36.0,36.0...	0.0	89.0	7/7	U

42471	MIN_CURV_RADIUS			EXP, C09	-	
mm	Minimum radius of curvature			DOUBLE	Immediately	
-						
-	-	3.0,3.0,3.0,3.0,3.0,3.0,3.0,3.0,3.0...	-	-	7/7	U

42475	COMPRESS_CONTUR_TOL			-	F2,PGA	
mm	maximum contour deviation with compressor			DOUBLE	Immediately	
-						
-	-	0.05,0.05,0.05,0.05,0.05,0.05,0.05...	0.000001	999999.	7/7	U

42476	COMPRESS_ORI_TOL			-	F2,PGA	
degrees	Maximum deviation of tool orientation with compressor			DOUBLE	Immediately	
-						
-	-	0.05,0.05,0.05,0.05,0.05,0.05,0.05...	0.000001	90.	7/7	U

42477	COMPRESS_ORI_ROT_TOL			-	F2,PGA	
degrees	Maximum deviation of tool rotation with compressor			DOUBLE	Immediately	
-						
-	-	0.05,0.05,0.05,0.05,0.05,0.05,0.05...	0.000001	90.	7/7	U

42480	STOP_CUTCOM_STOPRE			-	W1	
-	Alarm response with tool radius compensation and preproc. stop			BOOLEAN	Immediately	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/7	U

42490	CUTCOM_G40_STOPRE			-	W1	
-	Retraction behavior of tool radius compensation with prep. stop			BOOLEAN	Immediately	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/7	U

42494	CUTCOM_ACT_DEACT_CTRL			-	W1	
-	Approach & retraction behavior with 2-1/2D tool radius compens.			DWORD	Immediately	
-						
-	-	2222,2222,2222,2222,2222,2222,2222...	-	-	7/7	U

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42496	CUTCOM_CLSD_CONT			-	-	
-	Tool radius compensation behavior with closed contour			BOOLEAN	Immediately	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE..	-	-	7/7	U
		-				

42500	SD_MAX_PATH_ACCEL			-	B2	
m/s²	maximum path acceleration			DOUBLE	Immediately	
-						
-	-	10000.,10000.,10000.,10000.,10000.,10000....	1.0e-3	-	7/7	U

42502	IS_SD_MAX_PATH_ACCEL			-	B2	
-	Evaluate SD42500 SC_SD_MAX_PATH_ACCEL			BOOLEAN	Immediately	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE..	-	-	7/7	U
		-				

42510	SD_MAX_PATH_JERK			-	B2	
m/s³	maximum path-related jerk as setting data			DOUBLE	Immediately	
-						
-	-	100000.,100000.,100000.,100000.,100000.,100000....	1.e-9	-	7/7	U

42512	IS_SD_MAX_PATH_JERK			-	B2	
-	Evaluate SD42510 SD_MAX_PATH_JERK			BOOLEAN	Immediately	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE..	-	-	7/7	U
		-				

42520	CORNER_SLOWDOWN_START			-	-	
mm	Start of feed reduction at G62.			DOUBLE	Immediately	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0....	-	-	7/7	U

42522	CORNER_SLOWDOWN_END			-	-	
mm	End of feed reduction at G62.			DOUBLE	Immediately	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0....	-	-	7/7	U

42524	CORNER_SLOWDOWN_OVR			-	-	
%	Feed override reduction at G62			DOUBLE	Immediately	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0....	-	-	7/7	U

42526	CORNER_SLOWDOWN_CRIT			-	-	
degrees	Corner detection at G62			DOUBLE	Immediately	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0....	-	-	7/7	U

42528	CUTCOM_DECEL_LIMIT			-	-	
-	Feed lowering on circles with tool radius compensation			DOUBLE	Immediately	
-						
-	-	0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0.,0....	0.	1.	7/7	U

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42600	JOG_FEED_PER_REV_SOURCE			-	V1	
-	Control revolutional feedrate in JOG			DWORD	Immediately	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-3	31	7/7	U

42650	CART_JOG_MODE			-	H1	
-	Coordinate system for Cartesian jog traverse			DWORD	Immediately	
-						
-	-	0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0,0x0...	0	0x0404	7/7	U

42660	ORI_JOG_MODE			-	-	
-	Definition of virtual kinematics for JOG			DWORD	Immediately	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	5	7/7	U

42670	ORIPATH_SMOOTH_DIST			-	-	
mm, degrees	Path for smoothing the orientation			DOUBLE	Immediately	
-						
-	-	0.05,0.05,0.05,0.05,0.05,0.05,0.05...	0.0	-	7/7	U

42672	ORIPATH_SMOOTH_TOL			-	-	
degrees	Tolerance for smoothing the orientation			DOUBLE	Immediately	
-						
-	-	0.05,0.05,0.05,0.05,0.05,0.05,0.05...	0.000001	-	7/7	U

42674	ORI_SMOOTH_DIST			-	-	
mm, degrees	Path for orientation smoothing during smoothing			DOUBLE	Immediately	
-						
-	-	0.05,0.05,0.05,0.05,0.05,0.05,0.05...	0.000001	-	7/7	U

42676	ORI_SMOOTH_TOL			-	-	
degrees	Tolerance for orientation smoothing during smoothing			DOUBLE	Immediately	
-						
-	-	0.05,0.05,0.05,0.05,0.05,0.05,0.05...	0.000001	-	7/7	U

42678	ORISON_TOL			-	-	
degrees	Tolerance for smoothing the orientation			DOUBLE	Immediately	
-						
-	-	10.00,10.00,10.00,10.00,10.00,10.00...	-	-	7/7	U

42680	ORISON_DIST			-	-	
mm, degrees	Path for orientation smoothing			DOUBLE	Immediately	
-						
-	-	5.00,5.00,5.00,5.00,5.00,5.00,5.00...	-	-	7/7	U

42690	JOG_CIRCLE_CENTRE			-	-	
mm	Center of the circle			DOUBLE	Immediately	
-						
-	3	0, 0, 0,0, 0, 0,0, 0, 0,0, 0, 0...	-	-	7/7	U

42691	JOG_CIRCLE_RADIUS			-	-	
mm	Circle radius			DOUBLE	Immediately	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

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42692	JOG_CIRCLE_MODE			-	-	
-	JOG of circles mode			DWORD	Immediately	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	0xf	7/7	U

42693	JOG_CIRCLE_START_ANGLE			-	-	
degrees	Circle start angle			DOUBLE	Immediately	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	360	7/7	U

42694	JOG_CIRCLE_END_ANGLE			-	-	
degrees	Circle end angle			DOUBLE	Immediately	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	360	7/7	U

42700	EXT_PROG_PATH			-	K1	
-	Program path for external subroutine call EXTCALL			STRING	Immediately	
-						
-	-		-	-	7/7	U

42750	ABSBLOCK_ENABLE			-	K1	
-	Enable base block display			BOOLEAN	Immediately	
-						
-	-	TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE,TRUE...	-	-	7/7	U

42800	SPIND_ASSIGN_TAB			-	S1	
-	Spindle number converter.			BYTE	Immediately	
-						
-	21	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17...	0	21	7/7	U

42900	MIRROR_TOOL_LENGTH			-	W1	
-	Sign change of tool length with mirror image machining			BOOLEAN	Immediately	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/7	U

42910	MIRROR_TOOL_WEAR			-	W1	
-	Sign change of tool wear with mirror image machining			BOOLEAN	Immediately	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/7	U

42920	WEAR_SIGN_CUTPOS			-	W1	
-	Sign of tool wear depending on tool point direction			BOOLEAN	Immediately	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/7	U

42930	WEAR_SIGN			-	W1	
-	Sign of wear			BOOLEAN	Immediately	
-						
-	-	FALSE,FALSE,FALSE,FALSE,FALSE,FALSE...	-	-	7/7	U

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42935	WEAR_TRANSFORM			-	W1,W4	
-	Transformations for tool components			DWORD	Immediately	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

42940	TOOL_LENGTH_CONST			-	W1	
-	Change of tool length components with change of active plane			DWORD	Immediately	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

42950	TOOL_LENGTH_TYPE			-	W1	
-	Assignment of tool length compensation independent of tool type			DWORD	Immediately	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

42960	TOOL_TEMP_COMP			-	W1	
-	Temperature compensation for tool			DOUBLE	Immediately	
-						
-	3	0.0, 0.0, 0.0,0.0, 0.0, 0.0...	-	-	7/7	U

42970	TOFF_LIMIT			-	F2	
mm	Upper limit of correction value via $AA_TOFF			DOUBLE	Immediately	
-						
-	3	100000000.0, 100000000.0, 100000000.0...	-	-	7/7	U

42974	TOCARR_FINE_CORRECTION			C08	-	
-	Fine offset TCARR ON / OFF			BOOLEAN	Immediately	
-						
-	-	FALSE,FALSE,FALSE, FALSE,FALSE,FALSE...	-	-	7/7	U

42980	TOFRAME_MODE			-	K2	
-	Frame definition at TOFRAME, TOROT and PAROT			DWORD	Immediately	
-						
-	-	1000,1000,1000,1000,1000,1000,1000...	-	-	7/7	U

42984	CUTDIRMOD			C08	-	
-	Modification of $P_AD[2] or $P_AD[11]			STRING	Immediately	
-						
-	-		-	-	7/7	U

42990	MAX_BLOCKS_IN_IPOBUFFER			-	K1	
-	maximum number of blocks in IPO buffer			DWORD	Immediately	
-						
-	-	-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1...	-	-	7/7	U

42995	CONE_ANGLE			-	-	
-	Taper angle			DOUBLE	Immediately	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-90	90	7/7	U

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42996	JOG_GEOAX_MODE_MASK			-	-	
-	JOG of geometry axis mode			DWORD	Immediately	
-						
-	-	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0	0x7	7/7	U

2.6.3 Axis-specific setting data

43100	LEAD_TYPE			-	M3	
-	Defines what is used as master value			DWORD	Reset	
CTEQ						
-	-	1	0	2	7/7	U

43102	LEAD_OFFSET_IN_POS			-	M3	
-	Offset of master value if coupled to this axis			DOUBLE	Reset	
-						
-	-	0.0	-1e15	1e15	7/7	U

43104	LEAD_SCALE_IN_POS			-	M3	
-	Scaling of master value if coupled to this axis			DOUBLE	Reset	
-						
-	-	1.0	-1e15	1e15	7/7	U

43106	LEAD_OFFSET_OUT_POS			-	M3	
mm, degrees	Offset of the functional value of the curve table			DOUBLE	Reset	
-						
-	-	0.0	-1e15	1e15	7/7	U

43108	LEAD_SCALE_OUT_POS			-	M3	
-	Scaling of functional value of the curve table			DOUBLE	Reset	
-						
-	-	1.0	-1e15	1e15	7/7	U

43120	DEFAULT_SCALE_FACTOR_AXIS			-	FBFA	
-	Axial default scaling factor with G51 active			DWORD	Immediately	
-						
-	-	1	-	-	7/7	U

43200	SPIND_S			-	S1	
rev/min	Speed for spindle start by VDI			DOUBLE	Immediately	
-						
-	-	0.0	-	-	7/7	U

43202	SPIND_CONSTCUT_S			-	S1	
m/min	Const cut speed for spindle start by VDI			DOUBLE	Immediately	
-						
-	-	0.0	-	-	7/7	U

43206	SPIND_SPEED_TYPE			A06	-	
-	Spindle speed type for spindle start through VDI			DWORD	Immediately	
-						
-	-	94	93	972	7/7	U

43210	SPIND_MIN_VELO_G25			-	S1	
rev/min	Programmed spindle speed limitation G25			DOUBLE	Immediately	
-						
-	-	0.0	-	-	7/7	U

43220	SPIND_MAX_VELO_G26			-	S1	
rev/min	Programmable upper spindle speed limitation G26			DOUBLE	Immediately	
-						
-	-	1000.0	-	-	7/7	U

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43230	SPIND_MAX_VELO_LIMS			-	S1,Z1	
rev/min	Spindle speed limitation with G96			DOUBLE	Immediately	
-						
-	-	100.0	-	-	7/7	U

43235	SPIND_USER_VELO_LIMIT			A06	S1,Z1	
rev/min	Maximum spindle speed			DOUBLE	Immediately	
-						
-	-	10000.0	-	-	7/7	U

43240	M19_SPOS			-, A12	S1	
degrees	Spindle position for spindle positioning with M19.			DOUBLE	Immediately	
-						
-	-	0.0	-10000000.0	10000000.0	7/7	U

43250	M19_SPOSMODE			-, A12	S1	
-	Spindle position approach mode for spindle positioning with M19.			DWORD	Immediately	
-						
-	-	0	0	5	7/7	U

43300	ASSIGN_FEED_PER_REV_SOURCE			-	V1,P2,S1	
-	Revolutional feedrate for positioning axes/spindles			DWORD	Immediately	
CTEQ						
-	-	0	-3	31	7/7	U

43320	JOG_POSITION			-	-	
mm, degrees	JOG position			DOUBLE	Immediately	
-						
-	-	0.0	-	-	7/7	U

43340	EXTERN_REF_POSITION_G30_1			-, A12	FBFA	
-	Reference point position for G30.1			DOUBLE	Immediately	
-						
-	-	0.0	-	-	7/7	U

43350	AA_OFF_LIMIT			-	S5,FBSY	
mm, degrees	Upper limit of offset value $AA_OFF with clearance control			DOUBLE	PowerOn	
CTEQ						
-	-	100000000.0	0.0	1e15	7/7	U

43400	WORKAREA_PLUS_ENABLE			-	A3	
-	Working area limitation active in positive direction			BOOLEAN	Immediately	
CTEQ						
-	-	FALSE	-	-	7/7	U

43410	WORKAREA_MINUS_ENABLE			-	A3	
-	Working area limitation active in the negative direction			BOOLEAN	Immediately	
CTEQ						
-	-	FALSE	-	-	7/7	U

43420	WORKAREA_LIMIT_PLUS			-	A3	
mm, degrees	Working area limitation plus			DOUBLE	Immediately	
-						
-	-	1.0e+8	-	-	7/7	U

43430	WORKAREA_LIMIT_MINUS			-	A3	
mm, degrees	Working area limitation minus			DOUBLE	Immediately	
-						
-	-	-1.0e+8	-	-	7/7	U

43500	FIXED_STOP_SWITCH			-	F1	
-	Selection of travel to fixed stop			BYTE	Immediately	
-						
-	-	0	0	1	7/7	U

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43510	FIXED_STOP_TORQUE			-	F1	
%	Fixed stop clamping torque			DOUBLE	Immediately	
-						
-	-	5.0	0.0	800.0	7/7	U

43520	FIXED_STOP_WINDOW			-	F1	
mm, degrees	Fixed stop monitoring window			DOUBLE	Immediately	
-						
-	-	1.0	-	-	7/7	U

43600	IPOBRAKE_BLOCK_EXCHANGE			A06, A10	K1	
%	Block change criterion 'braking ramp'			DOUBLE	Immediately	
-						
-	-	0.0	0	100.0	7/7	U

43610	ADISPOSA_VALUE			A06, A10	P2	
mm, degrees	Tolerance window 'braking ramp'			DOUBLE	Immediately	
-						
-	-	0.0	-	-	7/7	U

43700	OSCILL_REVERSE_POS1			-	P5	
mm, degrees	Oscillation reversal point 1			DOUBLE	Immediately	
-						
-	-	0.0	-	-	7/7	U

43710	OSCILL_REVERSE_POS2			-	P5	
mm, degrees	Oscillation reversal point 2			DOUBLE	Immediately	
-						
-	-	0.0	-	-	7/7	U

43720	OSCILL_DWELL_TIME1			-	P5	
s	Hold time at oscillation reversal point 1			DOUBLE	Immediately	
-						
-	-	0.0	-	-	7/7	U

43730	OSCILL_DWELL_TIME2			-	P5	
s	Hold time at oscillation reversal point 2			DOUBLE	Immediately	
-						
-	-	0.0	-	-	7/7	U

43740	OSCILL_VELO			-	P5	
mm/min, rev/min	Feedrate of reciprocating axis			DOUBLE	Immediately	
-						
-	-	0.0	-	-	7/7	U

43750	OSCILL_NUM_SPARK_CYCLES			-	P5	
-	Number of spark-out strokes			DWORD	Immediately	
-						
-	-	0	-	-	7/7	U

43760	OSCILL_END_POS			-	P5	
mm, degrees	End position of the reciprocating axis			DOUBLE	Immediately	
-						
-	-	0.0	-	-	7/7	U

43770	OSCILL_CTRL_MASK			-	P5	
-	Oscillation sequence control mask			DWORD	Immediately	
-						
-	-	0	-	-	7/7	U

43780	OSCILL_IS_ACTIVE			-	P5	
-	Activate oscillation movement			BOOLEAN	Immediately	
-						
-	-	FALSE	-	-	7/7	U

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43790	OSCILL_START_POS			-	-	
mm, degrees	Start position of reciprocating axis			DOUBLE	Immediately	
-						
-	-	0.0	-	-	7/7	U

43900	TEMP_COMP_ABS_VALUE			-	K3	
-	Position-independent temperature compensation value			DOUBLE	Immediately	
-						
-	-	0.0	-	-	7/7	U

43910	TEMP_COMP_SLOPE			-	K3	
-	Lead angle for position-dependent temperature compensation			DOUBLE	Immediately	
-						
-	-	0.0	-	-	7/7	U

43920	TEMP_COMP_REF_POSITION			-	K3	
-	Ref. position of position-dependent temperature compensation			DOUBLE	Immediately	
-						
-	-	0.0	-	-	7/7	U

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2.7 Cycle machine and setting data

Number	Identifier			Display filters	Reference	
Unit	Name			Data type	Active	
Attributes						
System	Dimension	Default value	Minimum value	Maximum value	Protection	Class

2.7.1 General configuration machine data

51000	DISP_RES_MM			-	-	
-	Display resolution in mm			BYTE	PowerOn	
-						
-	-	3	0	6	7/3	M

51001	DISP_RES_MM_FEED_PER_REV			-	-	
-	Display resolution in mm feedrate/rev			BYTE	Immediately	
-						
-	-	3	0	6	7/3	M

51002	DISP_RES_MM_FEED_PER_TIME			-	-	
-	Display resolution in mm feedrate/min			BYTE	Immediately	
-						
-	-	3	0	6	7/3	M

51003	DISP_RES_MM_FEED_PER_TOOTH			-	-	
-	Display resolution in mm feedrate/tooth			BYTE	Immediately	
-						
-	-	3	0	6	7/3	M

51004	DISP_RES_MM_CONST_CUT_RATE			-	-	
-	Display resolution constant cutting speed m/min			BYTE	Immediately	
-						
-	-	3	0	6	7/3	M

51010	DISP_RES_INCH			-	-	
-	Display resolution in inch			BYTE	PowerOn	
-						
-	-	4	0	6	7/3	M

51011	DISP_RES_INCH_FEED_P_REV			-	-	
-	Display resolution in inch feedrate/rev			BYTE	Immediately	
-						
-	-	4	0	6	7/3	M

51012	DISP_RES_INCH_FEED_P_TIME			-	-	
-	Display resolution in inch feedrate/min			BYTE	Immediately	
-						
-	-	4	0	6	7/3	M

51013	DISP_RES_INCH_FEED_P_TOOTH			-	-	
-	Display resolution in inch feedrate/tooth			BYTE	Immediately	
-						
-	-	4	0	6	7/3	M

51014	DISP_RES_INCH_CUT_RATE			-	-	
-	Display resolution constant cutting speed ft/min			BYTE	Immediately	
-						
-	-	4	0	6	7/3	M

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51020	DISP_RES_ANGLE			-	-	
-	Display resolution of angle			BYTE	Immediately	
-						
-	-	3	0	6	7/3	M

51021	DISP_RES_SPINDLE			-	-	
-	Display resolution of spindles			BYTE	Immediately	
-						
-	-	0	0	6	7/3	M

51022	DISP_RES_ROT_AX_FEED			-	-	
-	Display resolution of rotary axis feedrate			BYTE	Immediately	
-						
-	-	0	0	6	7/3	M

51023	ACT_VALUE_SPIND_MODE			-	-	
-	Only display spindles in actual values window when in axis mode			BYTE	PowerOn	
-						
-	-	1	0	1	3/4	M

51025	FRAMES_ACT_IMMEDIATELY			-	-	
-	Activate active offset immediately			BYTE	PowerOn	
-						
-	-	1	0	1	4/3	M

51026	AXES_SHOW_GEO_FIRST			-	-	
-	Actual value display with leading axes			BYTE	PowerOn	
-						
-	-	1	0	1	4/3	M

51027	ONLY_MKS_DIST_TO_GO			-	-	
-	Distance-to-go display in work window			BYTE	PowerOn	
-						
-	-	0	0	1	4/3	M

51028	BLOCK_SEARCH_MODE_MASK			-	-	
-	Bit mask for available block search modes			BYTE	PowerOn	
-						
-	-	51	-	-	4/3	M

51029	MAX_SKP_LEVEL			-	-	
-	Maximum number of skip levels in the NC program			BYTE	PowerOn	
-						
-	-	1	1	10	4/3	M

51030	SPIND_MAX_POWER			-	-	
%	Maximum value of spindle power rating display			DWORD	PowerOn	
-						
-	-	100	0	255	4/3	M

51031	SPIND_POWER_RANGE			-	-	
%	Display range of spindle power rating display			DWORD	PowerOn	
-						
-	-	100	0	255	4/3	M

51032	STAT_DISPLAY_BASE			-	-	
-	Number basis for display of articulated joint STAT			BYTE	PowerOn	
-						
-	-	2	0	16	4/3	M

51033	TU_DISPLAY_BASE			-	-	
-	Number basis for display of rotary axis position TU			BYTE	PowerOn	
-						
-	-	2	0	16	4/3	M

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51034	TEACH_MODE			-	-	
-	Teach mode to be activated			DWORD	PowerOn	
-						
-	-	1	-	-	4/3	M

51035	WRITE_FRAMES_FINE_LIMIT			-	-	
-	Input limit for all WO fine			DOUBLE	PowerOn	
-						
-	-	0.999	-	-	4/3	M

51036	ENABLE_COORDINATE_REL			-	-	
-	Enable REL coordinate system			BYTE	PowerOn	
-						
-	-	0	0	1	7/3	M

51037	ENABLE_COORDINATE_ACS			-	-	
-	Enable settable coordinate system			BYTE	PowerOn	
-						
-	-	0	0	1	7/3	M

51038	SET_ACT_VALUE			-	-	
-	Set actual value selection			BYTE	PowerOn	
-						
-	-	1	0	1	7/3	M

51039	PROGRAM_CONTROL_MODE_MASK			-	-	
-	Options for machine - program influence			DWORD	PowerOn	
-						
-	-	1	-	-	7/3	M

51040	SWITCH_TO_MACHINE_MASK			-	-	
-	Automatic operating area switchover to machine			BYTE	PowerOn	
-						
-	-	0	-	-	7/3	M

51041	ENABLE_PROGLIST_USER			-	-	
-	Activation of PLC program list, USER area			BYTE	Immediately	
-						
-	-	0	0	1	7/3	M

51043	ENABLE_PROGLIST_MANUFACT			-	-	
-	Activation of PLC program list, MANUFACTURER area			BYTE	Immediately	
-						
-	-	0	0	1	7/3	M

51044	ACCESS_SHOW_SBL2			-	-	
-	Display protection level SBL2			BYTE	PowerOn	
-						
-	-	7	0	7	4/3	M

51045	ACCESS_TEACH_IN			-	-	
-	Protection level TEACH IN			BYTE	PowerOn	
-						
-	-	4	0	7	4/3	M

51046	ACCESS_CLEAR_RPA			-	-	
-	Protection level delete R variables			BYTE	PowerOn	
-						
-	-	4	0	7	4/3	M

51047	ACCESS_READ_GUD_LUD			-	-	
-	Read user variable protection level			BYTE	PowerOn	
-						
-	-	7	0	7	4/3	M

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51048	ACCESS_WRITE_GUD_LUD			-	-	
-	Write protection level of user variables			BYTE	PowerOn	
-						
-	-	7	0	7	4/3	M

51049	ACCESS_WRITE_PRG_COND			-	-	
-	Write program control protection level			BYTE	PowerOn	
-						
-	-	7	0	7	4/3	M

51050	ACCESS_WRITE_PROGRAM			-	-	
-	Write part program protection level			BYTE	PowerOn	
-						
-	-	4	0	7	4/3	M

51051	ACCESS_WRITE_RPA			-	-	
-	Protection level write R variables			BYTE	PowerOn	
-						
-	-	7	0	7	4/3	M

51052	ACCESS_WRITE_SEA			-	-	
-	Protection level write setting data			BYTE	PowerOn	
-						
-	-	7	0	7	4/3	M

51053	ACCESS_WRITE_BASEFRAME			-	-	
-	Write basic work offset protection level			BYTE	PowerOn	
-						
-	-	7	0	7	4/3	M

51054	ACCESS_WRITE_CYCFRAME			-	-	
-	Write cycle frame protection level			BYTE	PowerOn	
-						
-	-	7	0	7	4/3	M

51055	ACCESS_WRITE_EXTFRAME			-	-	
-	Write external WO protection level			BYTE	PowerOn	
-						
-	-	7	0	7	4/3	M

51056	ACCESS_WRITE_PARTFRAME			-	-	
-	Write table reference protection level			BYTE	PowerOn	
-						
-	-	7	0	7	4/3	M

51057	ACCESS_WRITE_SETFRAME			-	-	
-	Write basic reference protection level			BYTE	PowerOn	
-						
-	-	7	0	7	4/3	M

51058	ACCESS_WRITE_TOOLFRAME			-	-	
-	Write basic tool reference protection level			BYTE	PowerOn	
-						
-	-	7	0	7	4/3	M

51059	ACCESS_WRITE_TRAFRAME			-	-	
-	Write transformation frame protec. level			BYTE	PowerOn	
-						
-	-	7	0	7	4/3	M

51060	ACCESS_WRITE_USERFRAME			-	-	
-	Write settable work offset protection level			BYTE	PowerOn	
-						
-	-	4	0	7	4/3	M

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51061	ACCESS_WRITE_WPFRAME			-	-	
-	Write workpiece reference protection level			BYTE	PowerOn	
-						
-	-	7	0	7	4/3	M

51062	ACCESS_WRITE_FINE			-	-	
-	Write protection level for fine offset of all work offsets			BYTE	PowerOn	
-						
-	-	6	0	7	4/3	M

51063	ACCESS_SET_ACT_VALUE			-	-	
-	Set actual value protection level			BYTE	PowerOn	
-						
-	-	4	0	7	4/3	M

51064	ACCESS_WRITE_PROGLIST			-	-	
-	Write protection level of program list in USER area			BYTE	Immediately	
-						
-	-	4	0	7	4/3	M

51065	NUM_DISPLAYED_CHANNELS			-	-	
-	Number of channels displayed simultaneously			BYTE	PowerOn	
-						
-	-	1	1	2	4/3	M

51066	ORDER_DISPLAYED_CHANNELS			-	-	
-	Channel numbers of the channels displayed			STRING	PowerOn	
-						
-	-	1;	-	-	4/3	M

51067	ENABLE_HANDWHEEL_WINDOW			-	-	
-	Show handwheel window			BYTE	PowerOn	
-						
-	-	1	0	1	4/2	M

51068	SPIND_DRIVELOAD_FROM_PLC1			-	-	
-	Machine axis index of spindle 1 utilization display from PLC			BYTE	PowerOn	
-						
-	-	0	0	31	4/2	M

51069	SPIND_DRIVELOAD_FROM_PLC2			-	-	
-	Machine axis index of spindle 2 utilization display from PLC			BYTE	PowerOn	
-						
-	-	0	0	31	4/2	M

51200	ACCESS_WRITE_TM_GEO			-	-	
-	Write tool offset geometry data protection level			BYTE	PowerOn	
-						
-	-	5	0	7	7/4	M

51201	ACCESS_WRITE_TM_WEAR			-	-	
-	Write tool offset wear data protection level			BYTE	PowerOn	
-						
-	-	6	0	7	7/4	M

51202	ACCESS_WRITE_TM_WEAR_DELTA			-	-	
-	Protection level for tool offset restricted writing of wear data			BYTE	PowerOn	
-						
-	-	7	0	7	7/4	M

51203	ACCESS_WRITE_TM_SC			-	-	
-	Write tool offset sum offset protection level			BYTE	PowerOn	
-						
-	-	7	0	7	7/4	M

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51204	ACCESS_WRITE_TM_EC			-	-	
-	Write tool offset use offsets protection level			BYTE	PowerOn	
-						
-	-	7	0	7	7/4	M

51205	ACCESS_WRITE_TM_SUPVIS			-	-	
-	Write tool offset monitoring data protection level			BYTE	PowerOn	
-						
-	-	7	0	7	7/4	M

51206	ACCESS_WRITE_TM_ASSDNO			-	-	
-	Write tool offset unique D number protection level			BYTE	PowerOn	
-						
-	-	7	0	7	7/4	M

51207	ACCESS_WRITE_TM_WGROUP			-	-	
-	Write tool offset wear groups protection level			BYTE	PowerOn	
-						
-	-	7	0	7	7/4	M

51208	ACCESS_WRITE_TM_ADAPT			-	-	
-	Write tool offset adapter data protection level			BYTE	PowerOn	
-						
-	-	7	0	7	7/4	M

51209	ACCESS_WRITE_TM_NAME			-	-	
-	Write tool offset tool name protection level			BYTE	PowerOn	
-						
-	-	4	0	7	7/4	M

51210	ACCESS_WRITE_TM_TYPE			-	-	
-	Write tool offset tool type protection level			BYTE	PowerOn	
-						
-	-	4	0	7	7/4	M

51211	ACCESS_READ_TM			-	-	
-	Read tool offset data protection level			BYTE	PowerOn	
-						
-	-	7	0	7	7/4	M

51212	TM_WRITE_WEAR_ABS_LIMIT			-	-	
mm	Maximum tool wear value			DOUBLE	PowerOn	
-						
-	-	0.999	0	10	7/4	M

51213	TM_WRITE_WEAR_DELTA_LIMIT			-	-	
mm	Maximum difference value restricted tool wear input			DOUBLE	PowerOn	
-						
-	-	0	0	10	7/4	M

51214	TM_WRITE_LIMIT_MASK			-	-	
-	Validity of the restricted tool wear input			BYTE	PowerOn	
-						
-	-	7	0	7	7/4	M

51215	ACCESS_WRITE_TM_ALL_PARAM			-	-	
-	Protection level TM details - write all parameters			BYTE	PowerOn	
-						
-	-	4	0	7	7/4	M

51216	ACCESS_TM_TOOL_CREATE			-	-	
-	Protection level TM create tool			BYTE	PowerOn	
-						
-	-	4	0	7	7/4	M

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51217	ACCESS_TM_TOOL_DELETE			-	-	
-	Protection level TM delete tool			BYTE	PowerOn	
-						
-	-	4	0	7	7/4	M

51218	ACCESS_TM_TOOL_LOAD			-	-	
-	Protection level TM load tool			BYTE	PowerOn	
-						
-	-	4	0	7	7/4	M

51219	ACCESS_TM_TOOL_UNLOAD			-	-	
-	Protection level TM unload tool			BYTE	PowerOn	
-						
-	-	4	0	7	7/4	M

51220	ACCESS_TM_TOOL_MOVE			-	-	
-	Protection level TM relocate tool			BYTE	PowerOn	
-						
-	-	4	0	7	7/4	M

51221	ACCESS_TM_TOOL_REACTIVATE			-	-	
-	Protection level TM reactivate tool			BYTE	PowerOn	
-						
-	-	4	0	7	7/4	M

51222	ACCESS_TM_TOOL_MEASURE			-	-	
-	Protection level TM measure tool			BYTE	PowerOn	
-						
-	-	4	0	7	7/4	M

51223	ACCESS_TM_TOOLEDGE_CREATE			-	-	
-	Protection level TM create tool cutting edge			BYTE	PowerOn	
-						
-	-	4	0	7	7/4	M

51224	ACCESS_TM_TOOLEDGE_DELETE			-	-	
-	Protection level TM delete tool cutting edge			BYTE	PowerOn	
-						
-	-	4	0	7	7/4	M

51225	ACCESS_TM_MAGAZINE_POS			-	-	
-	Protection level TM position magazine			BYTE	PowerOn	
-						
-	-	4	0	7	7/4	M

51226	FUNCTION_MASK_SIM			-	-	
-	Function mask Simulation			DWORD	PowerOn	
-						
-	-	0	-	-	7/3	M

51228	FUNCTION_MASK_TECH			-	-	
-	Function mask Cross-technology			DWORD	PowerOn	
-						
-	-	0	-	-	7/3	M

51235	ACCESS_RESET_SERV_PLANNER			-	-	
-	Protection level for acknowledgement of maintenance tasks			BYTE	Immediately	
-						
-	-	3	0	7	4/2	M

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2.7.2 General cycle machine data

51600	MEA_CAL_WP_NUM			-	-	
-	Number of calibration data fields for workpiece probes			BYTE	Immediately	
-						
-	-	12	0	12	7/2	I

51601	MEA_CAL_EDGE_NUM			-	-	
-	Number of geometry data fields of gauging block, workpiece probe			BYTE	Immediately	
-						
-	-	3	0	3	7/2	I

51602	MEA_CAL_TP_NUM			-	-	
-	Number of calibration data fields for tool probes			BYTE	Immediately	
-						
-	-	3	0	3	7/2	I

51603	MEA_CAL_TPW_NUM			-	-	
-	Number of calibration data fields for tool probes			BYTE	Immediately	
-						
-	-	3	0	3	7/2	I

51606	MEA_INPUT_PIECE_PROBE			-	-	
-	Workpiece probe measuring input			BYTE	Immediately	
-						
-	2	0,1	0	1	7/2	I

51607	MEA_INPUT_TOOL_PROBE			-	-	
-	Tool probe measuring input			BYTE	Immediately	
-						
-	2	1,0	0	1	7/2	I

51608	MEA_WP_PROBE_INPUT_SUB			-	-	
-	Workpiece probe available/active on the counterspindle			BYTE	Immediately	
-						
-	-	0	-	-	7/2	I

51609	MEA_T_PROBE_INPUT_SUB			-	-	
-	Tool probe available/active on the counterspindle			BYTE	Immediately	
-						
-	-	0	-	-	7/2	I

51610	MEA_TOOLCARR_ENABLE			-	-	
-	Support of orientable toolholders			BYTE	Immediately	
-						
-	-	0	0	1	7/3	I

51612	MEA_MONO_COR_POS_ACTIVE			-	-	
-	Monoprobe orientation offset			BYTE	Immediately	
-						
-	-	1	0	1	7/3	I

51614	MEA_PROBE_LENGTH_RELATE			-	-	
-	Length reference of the workpiece probe, measurement technology milling			BYTE	Immediately	
-						
-	-	1	0	1	7/5	I

51616	MEA_CAL_MONITORING			-	-	
-	Calibration status monitoring, for measuring in automatic mode			BYTE	Immediately	
-						
-	-	1	0	1	7/3	I

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51618	MEA_CM_ROT_AX_POS_TOL			-	-	
degrees	Tolerance of the rotary axis positions			DOUBLE	Immediately	
-						
-	-	0.5	-1	1	7/3	I

51750	J_MEA_M_DIST			-	-	
mm	Measuring path for measuring with ShopMill, in automatic mode			DOUBLE	Immediately	
-						
-	-	5	-10000	10000	7/5	I

51751	J_MEA_M_DIST_MANUELL			-	-	
mm	Measuring path, for "Measure in JOG"			DOUBLE	Immediately	
-						
-	-	10	-10000	10000	7/5	I

51752	J_MEA_M_DIST_TOOL_LENGTH			-	-	
mm	Measuring path for tool length measuring, for "Measure in JOG"			DOUBLE	Immediately	
-						
-	-	2	-10000	10000	7/5	I

51753	J_MEA_M_DIST_TOOL_RADIUS			-	-	
mm	Measuring path for tool radius measuring, for "Measure in JOG"			DOUBLE	Immediately	
-						
-	-	1	-10000	10000	7/5	I

51755	J_MEA_MEASURING_FEED			-	-	
mm/min	Measuring feed for workpiece measurement and calibr., for "Measure in JOG"			DOUBLE	Immediately	
-						
-	-	300	0	100000	7/5	I

51757	J_MEA_COLL_MONIT_FEED			-	-	
mm/min	Feedrate in the plane w. active collision detection, for "Measure in JOG"			DOUBLE	Immediately	
-						
-	-	1000	0	100000	7/5	I

51758	J_MEA_COLL_MONIT_POS_FEED			-	-	
mm/min	Infeed rate with active collision detection, for "Measure in JOG"			DOUBLE	Immediately	
-						
-	-	1000	0	100000	7/5	I

51770	J_MEA_CAL_RING_DIAM			-	-	
mm	Calibration ring diameter, for "Measure in JOG"			DOUBLE	Immediately	
-						
-	12	-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1	-1	10000	7/5	I

51772	J_MEA_CAL_HEIGHT_FEEDAX			-	-	
mm	Calibration height in the infeed axis, for probe length calibration			DOUBLE	Immediately	
-						
-	12	-99999,-99999,-99999,-99999,-99999,-99999...	-100000	100000	7/5	I

51774	J_MEA_T_PROBE_TYPE			-	-	
-	Geometry of the tool probe type "cube", for "Measure in JOG"			DWORD	Immediately	
-						
-	3	0,0,0	0	999	7/5	I

51776	J_MEA_T_PROBE_ALLOW_AX_DIR			-	-	
-	Axis directions for tool probe calibration, for "Measure in JOG"			DWORD	Immediately	
-						
-	3	133,133,133	0	999	7/5	I

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51778	$MC_MEA_T_PROBE_DIAM_LENGTH			-	-	
mm	Diameter of the tool probe for length measurement, for "Measure in JOG"			DOUBLE	Immediately	
-						
-	3	0,0,0	0	10000	7/5	I

51780	$MC_MEA_T_PROBE_DIAM_RAD			-	-	
mm	Diameter of the tool probe for radius measurement, for "Measure in JOG"			DOUBLE	Immediately	
-						
-	3	0,0,0	0	10000	7/5	I

51782	$MC_MEA_T_PROBE_T_EDGE_DIST			-	-	
mm	Distance between tool probe and tool, for "Measure in JOG"			DOUBLE	Immediately	
-						
-	3	2,2,2	-10000	10000	7/5	I

51784	$MC_MEA_T_PROBE_APPR_AX_DIR			-	-	
-	Approach direction in the plane on the tool probe, for "Measure in JOG"			DWORD	Immediately	
-						
-	3	-1,-1,-1	-	-	7/5	I

51786	$MC_MEA_T_PROBE_MEASURE_DIST			-	-	
mm	Measur. path for tool measurem. w. stationary spindle, for "Measure in JOG"			DOUBLE	Immediately	
-						
-	-	10	-10000	10000	7/5	I

51787	$MC_MEA_T_PROBE_MEASURE_FEED			-	-	
mm/min	Measur. feed tool measuring with stationary spindle, for "Measure in JOG"			DOUBLE	Immediately	
-						
-	-	100	0	100000	7/5	I

2.7.3 Channel-specific configurations machine data

52000	$MC_DISP_COORDINATE_SYSTEM			-	-	
-	Coordinate system position			BYTE	PowerOn	
-						
-	-	0	0	47	7/3	M

52005	$MC_DISP_PLANE_MILL			-	-	
-	Plane selection Milling			BYTE	Immediately	
-						
-	-	17	0	19	7/3	M

52006	$MC_DISP_PLANE_TURN			-	-	
-	Plane selection Turning			BYTE	Immediately	
-						
-	-	18	0	19	7/3	M

52010	$MC_DISP_NUM_AXIS_BIG_FONT			-	-	
-	Number of actual values with large font			BYTE	PowerOn	
-						
-	-	3	0	31	7/3	M

52011	$MC_ADJUST_NUM_AXIS_BIG_FONT			-	-	
-	Adapt number of act val w large font dynamically to no. of geometry axes			BYTE	PowerOn	
-						
-	-	0	0	2	7/3	M

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52200	TECHNOLOGY			-	-	
-	Technology			BYTE	PowerOn	
-						
-	-	0	0	2	7/1	M

52201	TECHNOLOGY_EXTENSION			-	-	
-	Extended technology			BYTE	PowerOn	
-						
-	-	0	0	2	7/1	M

52206	AXIS_USAGE			-	-	
-	Meaning of the axes in the channel			BYTE	PowerOn	
-						
-	20	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	0	10	7/3	M

52207	AXIS_USAGE_ATTRIB			-	-	
-	Axis attributes			BYTE	PowerOn	
-						
-	20	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	-	-	7/3	M

52210	FUNCTION_MASK_DISP			-	-	
-	Function mask Display			BYTE	PowerOn	
-						
-	-	3	-	-	7/3	M

52212	FUNCTION_MASK_TECH			-	-	
-	Function mask Cross-technology			BYTE	Immediately	
-						
-	-	0	-	-	7/3	M

52214	FUNCTION_MASK_MILL			-	-	
-	Function mask Milling			DWORD	Immediately	
-						
-	-	0	-	-	7/3	M

52216	FUNCTION_MASK_DRILL			-	-	
-	Function mask Drilling			DWORD	Immediately	
-						
-	-	0	-	-	7/3	M

52218	FUNCTION_MASK_TURN			-	-	
-	Function mask Turning			BYTE	Immediately	
-						
-	-	0	-	-	7/3	M

52229	ENABLE_QUICK_M_CODES			-	-	
-	Enable fast M functions			BYTE	Immediately	
-						
-	-	0	-	-	7/3	M

52230	M_CODE_ALL_COOLANTS_OFF			-	-	
-	M code for all coolants OFF			DWORD	Immediately	
-						
-	-	9	-1	32767	7/3	M

52231	M_CODE_COOLANT_1_ON			-	-	
-	M code for coolant 1 ON			DWORD	Immediately	
-						
-	-	8	-1	32767	7/3	M

52232	M_CODE_COOLANT_2_ON			-	-	
-	M code for coolant 2 ON			DWORD	Immediately	
-						
-	-	7	-1	32767	7/3	M

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52233	M_CODE_COOLANT_1_AND_2_ON			-	-	
-	M code for both coolants ON			DWORD	Immediately	
-						
-	-	-1	-1	32767	7/3	M

52240	NAME_TOOL_CHANGE_PROG			-	-	
-	Tool change program for G code steps			STRING	Immediately	
-						
-	-		-	-	7/3	M

52244	SUB_SPINDLE_PARK_POS_Y			-	-	
mm	Parking position of the Y axis with counterspindle			DOUBLE	Immediately	
-						
-	-	0	-	-	7/3	U

52250	M_CODE_CHUCK_OPEN			-	-	
-	M code for Open chuck with non-rotating spindle			STRING	Immediately	
-						
-	2	-	-	-	7/3	M

52251	M_CODE_CHUCK_OPEN_ROT			-	-	
-	M code for Open chuck with rotating spindle			STRING	Immediately	
-						
-	2	-	-	-	7/3	M

52252	M_CODE_CHUCK_CLOSE			-	-	
-	M code for Close chuck			STRING	Immediately	
-						
-	2	-	-	-	7/3	M

52260	MACHINE_JOG_INTERRUPT_PRIO			-	-	
-	Priority for start ASUB under machine JOG			BYTE	Immediately	
-						
-	-	1	1	8	7/3	S

52270	TM_FUNCTION_MASK			-	-	
-	Function mask Tool management			DWORD	PowerOn	
-						
-	-	0	-	-	7/3	M

52271	TM_MAG_PLACE_DISTANCE			-	-	
mm	Distance betw. indiv. magazine locations			DOUBLE	PowerOn	
-						
-	-	70	0	10000	0/0	M

52272	TM_TOOL_LOAD_DEFAULT_MAG			-	-	
-	Default magazine for tool loading			BYTE	PowerOn	
-						
-	-	0	0	30	0/0	M

52273	TM_TOOL_MOVE_DEFAULT_MAG			-	-	
-	Default magazine for tool relocation			BYTE	PowerOn	
-						
-	-	0	0	30	0/0	M

52281	TOOL_MCODE_FUNC_ON			-	-	
-	M code for tool-specific function ON			DWORD	Immediately	
-						
-	4	-1, -1, -1, -1	-1	32767	7/3	M

52282	TOOL_MCODE_FUNC_OFF			-	-	
-	M code for tool-specific function OFF			DWORD	Immediately	
-						
-	4	-1, -1, -1, -1	-1	32767	7/3	M

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2.7.4 Channel-specific cycle machine data

52605	MEA_TURN_CYC_SPECIAL_MODE			-	-	
-	Functional behavior of third geometry axis (Y), turning technology			BYTE	Immediately	
-						
-	-	0	0	1	7/3	M

52750	J_MEA_FIXPOINT			-	-	
mm	Z value for measuring fixed point			DOUBLE	Immediately	
-						
-	-	0	-	-	7/3	I

52800	ISO_M_ENABLE_POLAR_COORD			-	-	
-	Polar coordinates			BYTE	Immediately	
-						
-	-	0	0	1	7/3	M

52802	ISO_ENABLE_INTERRUPTS			-	-	
-	Interrupt process			BYTE	Immediately	
-						
-	-	0	0	1	7/3	M

52804	ISO_ENABLE_DRYRUN			-	-	
-	Machining skipped at DRYRUN			BYTE	Immediately	
-						
-	-	0	0	1	7/3	M

52806	ISO_SCALING_SYSTEM			-	-	
-	Basic system			BYTE	Immediately	
-						
-	-	0	0	2	7/7	M

52808	ISO_SIMULTAN_AXES_START			-	-	
-	Simultaneous approach to the boring position on all programmed axes			BYTE	Immediately	
-						
-	-	0	0	1	7/3	M

52810	ISO_T_DEEPHOLE_DRILL_MODE			-	-	
-	Deep hole drilling with chipbreaking/stock removal			BYTE	Immediately	
-						
-	-	0	0	1	7/3	M

53230	SIM_START_POSITION			-	-	
mm	Axis position at start of simulation			DOUBLE	Immediately	
-						
-	-	0	-	-	7/3	M

53240	SPINDLE_PARAMETER			-	-	
mm	Spindle chuck data			DOUBLE	Immediately	
-						
-	3	0	-	-	7/3	U

53241	SPINDLE_CHUCK_TYPE			-	-	
-	Spindle jaw type			BYTE	Immediately	
-						
-	-	0	-	-	7/3	U

53242	TAILSTOCK_PARAMETER			-	-	
mm	Tailstock data			DOUBLE	Immediately	
-						
-	2	0	-	-	7/3	M

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2.7.5 General configuration setting data

54215	TM_FUNCTION_MASK_SET			-	-	
-	Function mask Tool management			DWORD	PowerOn	
-						
-	-	0	-	-	7/4	M

2.7.6 General cycle setting data

54600	MEA_WP_BALL_DIAM			-	-	
mm	Effective diameter of the probe sphere for the workpiece probe			DOUBLE	Immediately	
-						
-	12	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0...	0	10000	7/7	U

54601	MEA_WP_TRIG_MINUS_DIR_AX1			-	-	
mm	Trigger point of the 1st measuring axis in negative direction			DOUBLE	Immediately	
-						
-	12	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0...	-100000	100000	7/7	U

54602	MEA_WP_TRIG_PLUS_DIR_AX1			-	-	
mm	Trigger point of the 1st measuring axis in positive direction			DOUBLE	Immediately	
-						
-	12	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0...	-100000	100000	7/7	U

54603	MEA_WP_TRIG_MINUS_DIR_AX2			-	-	
mm	Trigger point of the 2nd measuring axis in negative direction			DOUBLE	Immediately	
-						
-	12	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0...	-100000	100000	7/7	U

54604	MEA_WP_TRIG_PLUS_DIR_AX2			-	-	
mm	Trigger point of the 2nd measuring axis in positive direction			DOUBLE	Immediately	
-						
-	12	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0...	-100000	100000	7/7	U

54605	MEA_WP_TRIG_MINUS_DIR_AX3			-	-	
mm	Trigger point of the 3rd measuring axis in negative direction			DOUBLE	Immediately	
-						
-	12	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0...	-100000	100000	7/7	U

54606	MEA_WP_TRIG_PLUS_DIR_AX3			-	-	
mm	Trigger point of the 3rd measuring axis in positive direction			DOUBLE	Immediately	
-						
-	12	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0...	-100000	100000	7/7	U

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54607	MEA_WP_POS_DEV_AX1			-	-	
mm	Position deviation of the probe sphere in the 1st measuring axis			DOUBLE	Immediately	
-						
-	12	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0...	-100000	100000	7/7	U

54608	MEA_WP_POS_DEV_AX2			-	-	
mm	Position deviation of the probe sphere in the 2nd measuring axis			DOUBLE	Immediately	
-						
-	12	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0...	-100000	100000	7/7	U

54609	MEA_WP_STATUS_RT			-	-	
-	Calibration status axis positions			DOUBLE	Immediately	
-						
-	12	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0...	-	-	7/7	U

54610	MEA_WP_STATUS_GEN			-	-	
-	Calibration status in general			DOUBLE	Immediately	
-						
-	12	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0...	-	-	7/7	U

54615	MEA_CAL_EDGE_BASE_AX1			-	-	
mm	Calibration groove base of the 1st measuring axis			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-100000	100000	7/7	U

54617	MEA_CAL_EDGE_PLUS_DIR_AX1			-	-	
mm	Calibration groove edge in positive direction of the 1st measuring axis			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-100000	100000	7/7	U

54618	MEA_CAL_EDGE_MINUS_DIR_AX1			-	-	
mm	Calibration groove edge in negative direction of the 1st measuring axis			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-100000	100000	7/7	U

54619	MEA_CAL_EDGE_BASE_AX2			-	-	
mm	Calibration groove base of the 2nd measuring axis			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-100000	100000	7/7	U

54620	MEA_CAL_EDGE_UPPER_AX2			-	-	
mm	Calibration groove upper edge of the 2nd measuring axis			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-100000	100000	7/7	U

54621	MEA_CAL_EDGE_PLUS_DIR_AX2			-	-	
mm	Calibration groove edge in positive direction of the 2nd measuring axis			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	-100000	100000	7/7	U

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54622	MEA_CAL_EDGE_MINUS_DIR_AX2			-	-	
mm	Calibration groove edge in negative direction of the 2nd measuring axis			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0	-100000	100000	7/7	U

54625	MEA_TP_TRIG_MINUS_DIR_AX1			-	-	
mm	Trigger point of the 1st measuring axis in negative direction			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0	-100000	100000	7/7	U

54626	MEA_TP_TRIG_PLUS_DIR_AX1			-	-	
mm	Trigger point of the 1st measuring axis in positive direction			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0	-100000	100000	7/7	U

54627	MEA_TP_TRIG_MINUS_DIR_AX2			-	-	
mm	Trigger point of the 2nd measuring axis in negative direction			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0	-100000	100000	7/7	U

54628	MEA_TP_TRIG_PLUS_DIR_AX2			-	-	
mm	Trigger point of the 2nd measuring axis in positive direction			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0	-100000	100000	7/7	U

54629	MEA_TP_TRIG_MINUS_DIR_AX3			-	-	
mm	Trigger point of the 3rd measuring axis in negative direction			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0	-100000	100000	7/7	U

54630	MEA_TP_TRIG_PLUS_DIR_AX3			-	-	
mm	Trigger point of the 3rd measuring axis in positive direction			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0	-100000	100000	7/7	U

54631	MEA_TP_EDGE_DISK_SIZE			-	-	
mm	Tool probe edge length/wheel diameter			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0	0	1000	7/7	U

54632	MEA_TP_AX_DIR_AUTO_CAL			-	-	
-	Automatic tool probe calibration, enable axes/directions			DWORD	Immediately	
-						
-	3	133,133,133,133,133,133,133,133,133,133...	-	-	7/7	U

54633	MEA_TP_TYPE			-	-	
-	Tool probe type cube / wheel			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0	0	999	7/7	U

54634	MEA_TP_CAL_MEASURE_DEPTH			-	-	
mm	Distance between the upper tool probe edge and the lower milling tool edge			DOUBLE	Immediately	
-						
-	3	2,2,2,2,2,2,2,2,2,2,2	-1000	1000	7/7	U

54635	MEA_TP_STATUS_GEN			-	-	
-	Calibration status in general			DOUBLE	Immediately	
-						
-	3	0,0,0	-	-	7/7	U

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54640	MEA_TPW_TRIG_MINUS_DIR_AX1			-	-	
mm	Trigger point of the 1st measuring axis in negative direction			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0	-100000	100000	7/7	U

54641	MEA_TPW_TRIG_PLUS_DIR_AX1			-	-	
mm	Trigger point of the 1st measuring axis in positive direction			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0	-100000	100000	7/7	U

54642	MEA_TPW_TRIG_MINUS_DIR_AX2			-	-	
mm	Trigger point of the 2nd measuring axis in negative direction			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0	-100000	100000	7/7	U

54643	MEA_TPW_TRIG_PLUS_DIR_AX2			-	-	
mm	Trigger point of the 2nd measuring axis in positive direction			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0	-100000	100000	7/7	U

54644	MEA_TPW_TRIG_MINUS_DIR_AX3			-	-	
mm	Trigger point of the 3rd measuring axis in negative direction			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0	-100000	100000	7/7	U

54645	MEA_TPW_TRIG_PLUS_DIR_AX3			-	-	
mm	Trigger point of the 3rd measuring axis in positive direction			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0	-100000	100000	7/7	U

54646	MEA_TPW_EDGE_DISK_SIZE			-	-	
mm	Tool probe edge length/wheel diameter			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0	0	1000	7/7	U

54647	MEA_TPW_AX_DIR_AUTO_CAL			-	-	
-	Automatic tool probe calibration, enable axes/directions			DWORD	Immediately	
-						
-	3	133,133,133,133,133,133,133,133,133,133...	-	-	7/7	U

54648	MEA_TPW_TYPE			-	-	
-	Tool probe type cube / wheel			DOUBLE	Immediately	
-						
-	3	0,0,0,0,0,0,0,0,0,0,0	-	-	7/7	U

54649	MEA_TPW_CAL_MEASURE_DEPTH			-	-	
mm	Distance between the upper tool probe edge and the lower milling tool edge			DOUBLE	Immediately	
-						
-	3	2,2,2,2,2,2,2,2,2,2,2	0	999	7/7	U

54650	MEA_TPW_STATUS_GEN			-	-	
-	Calibration status in general			DOUBLE	Immediately	
-						
-	3	0,0,0	-	-	7/7	U

54655	MEA_REPEAT_ACTIVE			-	-	
-	Measurem. repetitions after exceeding dimens. difference and safety margin			BYTE	Immediately	
-						
-	-	0	0	1	7/5	U

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54656	MEA_REPEAT_WITH_M0			-	-	
-	Alarm and M0 is included in measurement repetitions.			BYTE	Immediately	
-						
-	-	0	0	1	7/5	U

54657	MEA_TOL_ALARM_SET_M0			-	-	
-	M0, when allowance, undersize or permissible dimens. difference is exceeded			BYTE	Immediately	
-						
-	-	0	0	1	7/5	U

54659	MEA_TOOL_MEASURE_RELATE			-	-	
-	Tool measuring and calibration in machine workpiece coordinate system			BYTE	Immediately	
-						
-	-	0	0	1	7/7	U

54660	MEA_PROBE_BALL_RAD_IN_TOA			-	-	
-	Accept the calibrated workpiece probe radius in the tool data.			BYTE	Immediately	
-						
-	-	0	0	1	7/5	U

54670	MEA_CM_MAX_PERI_SPEED			-	-	
m/min	Max. permissible peripheral speed of the tool to be measured			DOUBLE	Immediately	
-						
-	2	100,100	0	100000	7/7	U

54671	MEA_CM_MAX_REVOLUTIONS			-	-	
rev/min	Maximum tool speed for tool measuring			DOUBLE	Immediately	
-						
-	2	1000,1000	0	100000	7/7	U

54672	MEA_CM_MAX_FEEDRATE			-	-	
mm/min	Maximum feed for contact of the tool with the probe			DOUBLE	Immediately	
-						
-	2	20,20	0	100000	7/7	U

54673	MEA_CM_MIN_FEEDRATE			-	-	
mm/min	Minimum feed for 1st contact of the tool with the probe			DOUBLE	Immediately	
-						
-	2	1,1	0	100000	7/7	U

54674	MEA_CM_SPIND_ROT_DIR			-	-	
-	Direction of spindle rotation for tool measuring			DOUBLE	Immediately	
-						
-	2	4,4	3	4	7/7	U

54675	MEA_CM_FEEDFACTOR_1			-	-	
-	Feedrate factor 1, for tool measuring			DOUBLE	Immediately	
-						
-	2	10,10	-	-	7/7	U

54676	MEA_CM_FEEDFACTOR_2			-	-	
-	Feedrate factor 2, for tool measuring			DOUBLE	Immediately	
-						
-	2	0,0	-	-	7/7	U

54677	MEA_CM_MEASURING_ACCURACY			-	-	
mm	Required measuring accuracy, for tool measuring			DOUBLE	Immediately	
-						
-	2	0.005,0.005	0	100000	7/7	U

54689	MEA_T_PROBE_MANUFACTURER			-	-	
-	Tool probe type (manufacturer)			BYTE	Immediately	
-						
-	-	0	0	2	7/5	U

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54691	MEA_T_PROBE_OFFSET			-	-	
-	Measurement result offset for tool measuring			BYTE	Immediately	
-						
-	-	0	0	2	7/5	U

54695	MEA_RESULT_OFFSET_TAB_RAD1			-	-	
mm	Offset table (measure tool radius with rotating spindle)			DOUBLE	Immediately	
-						
-	5	0,0,0,0,0	-	-	7/5	U

54696	MEA_RESULT_OFFSET_TAB_RAD2			-	-	
mm	Offset table 1st peripheral speed (radius)			DOUBLE	Immediately	
-						
-	5	0,0,0,0,0	-	-	7/5	U

54697	MEA_RESULT_OFFSET_TAB_RAD3			-	-	
mm	Offset table 2nd peripheral speed (radius)			DOUBLE	Immediately	
-						
-	5	0,0,0,0,0	-	-	7/5	U

54698	MEA_RESULT_OFFSET_TAB_RAD4			-	-	
mm	Offset table 3rd peripheral speed (radius)			DOUBLE	Immediately	
-						
-	5	0,0,0,0,0	-	-	7/5	U

54699	MEA_RESULT_OFFSET_TAB_RAD5			-	-	
mm	Offset table 4th peripheral speed (radius)			DOUBLE	Immediately	
-						
-	5	0,0,0,0,0	-	-	7/5	U

54700	MEA_RESULT_OFFSET_TAB_RAD6			-	-	
mm	Offset table 5th peripheral speed (radius)			DOUBLE	Immediately	
-						
-	5	0,0,0,0,0	-	-	7/5	U

54705	MEA_RESULT_OFFSET_TAB_LEN1			-	-	
mm	Offset table (measure tool length with rotating spindle)			DOUBLE	Immediately	
-						
-	5	0,0,0,0,0	-	-	7/5	U

54706	MEA_RESULT_OFFSET_TAB_LEN2			-	-	
mm	Offset table 1st peripheral speed (length)			DOUBLE	Immediately	
-						
-	5	0,0,0,0,0	-	-	7/5	U

54707	MEA_RESULT_OFFSET_TAB_LEN3			-	-	
mm	Offset table 2nd peripheral speed (length)			DOUBLE	Immediately	
-						
-	5	0,0,0,0,0	-	-	7/5	U

54708	MEA_RESULT_OFFSET_TAB_LEN4			-	-	
mm	Offset table 3rd peripheral speed (length)			DOUBLE	Immediately	
-						
-	5	0,0,0,0,0	-	-	7/5	U

54709	MEA_RESULT_OFFSET_TAB_LEN5			-	-	
mm	Offset table 4th peripheral speed (length)			DOUBLE	Immediately	
-						
-	5	0,0,0,0,0	-	-	7/5	U

54710	MEA_RESULT_OFFSET_TAB_LEN6			-	-	
mm	Offset table 5th peripheral speed (length)			DOUBLE	Immediately	
-						
-	5	0,0,0,0,0	-	-	7/5	U

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54750	MEA_ALARM_MASK			-	-	
-	Expert mode for cycle alarms			DWORD	Immediately	
-						
-	-	0	-	-	7/5	U

54798	J_MEA_FUNCTION_MASK_PIECE			-	-	
-	Setting for input screen, Measure in JOG, workpiece measurement			DWORD	Immediately	
-						
-	-	512	-	-	7/5	U

54799	J_MEA_FUNCTION_MASK_TOOL			-	-	
-	Setting for input screen, Measure in JOG, workpiece measurement			DWORD	Immediately	
-						
-	-	0	-	-	7/5	U

2.7.7 Cannel-specific configuration setting data

55200	MAX_INP_FEED_PER_REV			-	-	
mm/rev	Upper limit feedrate/rev			DOUBLE	Immediately	
-						
-	-	1	0	5	7/4	M

55201	MAX_INP_FEED_PER_TIME			-	-	
mm/min	Upper limit feedrate/min			DOUBLE	Immediately	
-						
-	-	10000	0	100000	7/4	M

55202	MAX_INP_FEED_PER_TOOTH			-	-	
mm	Upper limit feedrate/tooth			DOUBLE	Immediately	
-						
-	-	1	0	2	7/4	M

55212	FUNCTION_MASK_TECH_SET			-	-	
-	Function mask Cross-technology			BYTE	Immediately	
-						
-	-	6	-	-	7/4	M

55214	FUNCTION_MASK_MILL_SET			-	-	
-	Function mask Milling			DWORD	Immediately	
-						
-	-	5	-	-	7/4	M

55216	FUNCTION_MASK_DRILL_SET			-	-	
-	Function mask Drilling			DWORD	Immediately	
-						
-	-	24	-	-	7/4	M

55218	FUNCTION_MASK_TURN_SET			-	-	
-	Function mask Turning			DWORD	Immediately	
-						
-	-	1	-	-	7/4	M

55220	FUNCTION_MASK_MILL_TOL_SET			-	-	
-	Function mask High Speed Settings CYCLE832			DWORD	Immediately	
-						
-	-	0	-	-	7/5	M

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55221	FUNCTION_MASK_SWIVEL_SET			-	-	
-	Function mask Swivel CYCLE800			DWORD	Immediately	
-						
-	-	0	-	-	7/3	M

55230	CIRCLE_RAPID_FEED			-	-	
mm/min	Positional feed on circular paths			DOUBLE	Immediately	
-						
-	-	10000	100	100000	7/4	M

55231	MAX_INP_RANGE_GAMMA			-	-	
degrees	Maximum input area alignment angle gamma			DOUBLE	Immediately	
-						
-	-	5	0	90	7/4	M

55232	SUB_SPINDLE_REL_POS			-	-	
mm	Retract position Z for counterspindle			DOUBLE	Immediately	
-						
-	-	0	-	-	7/4	M

55260	MAJOG_SAFETY_CLEARANCE			-	-	
mm	Safety clearance for machine JOG			DOUBLE	Immediately	
-						
-	-	0	-	-	7/4	M

55261	MAJOG_RELEASE_PLANE			-	-	
mm	Retraction plane for machine JOG			DOUBLE	Immediately	
-						
-	-	0	-	-	7/4	M

2.7.8 Channel-specific cycle setting data

55410	MILL_SWIVEL_ALARM_MASK			-	-	
-	Hide and unhide cycle alarms for CYCLE800			DWORD	Immediately	
-						
-	-	0	-	-	7/5	M

55440	MILL_TOL_FACTOR_NORM			-	-	
-	Rotary axes tolerance factor for CYCLE832 (High Speed Settings), G group 59			DOUBLE	Immediately	
-						
-	-	10	0	1000	7/5	U

55441	MILL_TOL_FACTOR_ROUGH			-	-	
-	Rotary axes tolerance factor for roughing CYCLE832 of G group 59			DOUBLE	Immediately	
-						
-	-	10	0	1000	7/5	U

55442	MILL_TOL_FACTOR_SEMIFIN			-	-	
-	Rotary axes tolerance factor for prefinishing CYCLE832 of G group 59			DOUBLE	Immediately	
-						
-	-	10	0	1000	7/5	U

55443	MILL_TOL_FACTOR_FINISH			-	-	
-	Rotary axes tolerance factor for finishing CYCLE832 of G group 59			DOUBLE	Immediately	
-						
-	-	10	0	1000	7/5	U

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55445	MILL_TOL_VALUE_NORM			-	-	
mm	Tolerance value on deselecting High Speed Settings cycle CYCLE832			DOUBLE	Immediately	
-						
-	-	0.01	0	10	7/5	U

55446	MILL_TOL_VALUE_ROUGH			-	-	
mm	Tolerance value for roughing CYCLE832 (High Speed Settings)			DOUBLE	Immediately	
-						
-	-	0.1	0	10	7/5	U

55447	MILL_TOL_VALUE_SEMIFIN			-	-	
mm	Tolerance value for smooth-finishing CYCLE832 (High Speed Settings)			DOUBLE	Immediately	
-						
-	-	0.05	0	10	7/5	U

55448	MILL_TOL_VALUE_FINISH			-	-	
mm	Tolerance value for finishing CYCLE832 (High Speed Settings)			DOUBLE	Immediately	
-						
-	-	0.01	0	10	7/5	U

55460	MILL_CONT_INITIAL_RAD_FIN			-	-	
mm	Contour pocket milling: approach circle radius finishing			DOUBLE	Immediately	
-						
-	-	0	0	100	7/4	M

55480	DRILLING_AXIS_IS_Z			-	-	
-	Drilling axis depends on plane or always Z			BYTE	Immediately	
-						
-	-	0	0	1	7/6	M

55481	DRILL_TAPPING_SET_GG12			-	-	
-	Setting tapping G group 12: block change behavior at exact stop			DOUBLE	Immediately	
-						
-	2	0	0	3	7/4	M

55482	DRILL_TAPPING_SET_GG21			-	-	
-	Setting tapping G group 21: acceleration profile			DOUBLE	Immediately	
-						
-	2	0	0	3	7/4	M

55483	DRILL_TAPPING_SET_GG24			-	-	
-	Setting tapping G group 24: precontrol			DOUBLE	Immediately	
-						
-	2	0	0	2	7/4	M

55484	DRILL_TAPPING_SET_MC			-	-	
-	Setting tapping: spindle operation at MCALL			DOUBLE	Immediately	
-						
-	2	0	0	1	7/4	M

55489	DRILL_MID_MAX_ECCENT			-	-	
mm	Max. center offset f. center boring			DOUBLE	Immediately	
-						
-	-	0.5	0	10	7/4	M

55490	DRILL_SPOT_DIST			-	-	
mm	Preboring depth drill and thread milling			DOUBLE	Immediately	
-						
-	-	1	0	100	7/4	M

55500	TURN_FIN_FEED_PERCENT			-	-	
%	Roughing feedrate for complete machining in %			BYTE	Immediately	
-						
-	-	100	1	100	7/4	M

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55505	TURN_ROUGH_O_RELEASE_DIST			-	-	
mm	Return distance stock removal for external machining			DOUBLE	Immediately	
-						
-	-	1	-1	100	7/4	M

55506	TURN_ROUGH_I_RELEASE_DIST			-	-	
mm	Return distance stock removal for internal machining			DOUBLE	Immediately	
-						
-	-	0.5	-1	100	7/4	M

55510	TURN_GROOVE_DWELL_TIME			-	-	
s	Tool clearance time for grooving at the base (neg. value=rotations)			DOUBLE	Immediately	
-						
-	-	-1	-100	100	7/4	M

55540	TURN_PART_OFF_CTRL_DIST			-	-	
mm	Path for cut-off check			DOUBLE	Immediately	
-						
-	-	0.1	0	10	7/4	M

55541	TURN_PART_OFF_CTRL_FEED			-	-	
mm/min	Feedrate for cut-off check			DOUBLE	Immediately	
-						
-	-	0	-	-	7/4	M

55542	TURN_PART_OFF_CTRL_FORCE			-	-	
%	Force for cut-off check in %			DOUBLE	Immediately	
-						
-	-	10	1	100	7/4	M

55543	TURN_PART_OFF_RETRACTION			-	-	
mm	Retraction path prior to cut-off with counterspindle			DOUBLE	Immediately	
-						
-	-	0	0	1	7/4	M

55550	TURN_FIXED_STOP_DIST			-	-	
mm	Counterspindle: path for travel to fixed stop			DOUBLE	Immediately	
-						
-	-	10	0.001	1000	7/4	M

55551	TURN_FIXED_STOP_FEED			-	-	
mm/min	Counterspindle: feedrate for travel to fixed stop			DOUBLE	Immediately	
-						
-	-	0	-	-	7/4	M

55552	TURN_FIXED_STOP_FORCE			-	-	
%	Counterspindle: force for travel to fixed stop in %			DOUBLE	Immediately	
-						
-	-	10	1	100	7/4	M

55553	TURN_FIXED_STOP_RETRACTION			-	-	
mm	Counterspindle: retraction path prior to chucking after fixed stop			DOUBLE	Immediately	
-						
-	-	0	0	1	7/4	M

55580	TURN_CONT_RELEASE_ANGLE			-	-	
degrees	Contour turning: retraction angle			DOUBLE	Immediately	
-						
-	-	45	0	90	7/4	M

55581	TURN_CONT_RELEASE_DIST			-	-	
mm	Contour turning: retraction value			DOUBLE	Immediately	
-						
-	-	1	0	10	7/4	M

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55582	TURN_CONT_TRACE_ANGLE			-	-	
degrees	Contour turning: minimum angle for rounding along contour			DOUBLE	Immediately	
-						
-	-	5	0	90	7/4	M

55583	TURN_CONT_VARIABLE_DEPTH			-	-	
%	Contour turning: percentage for variable cutting depth			BYTE	Immediately	
-						
-	-	20	0	50	7/4	M

55584	TURN_CONT_BLANK_OFFSET			-	-	
mm	Contour turning: blank allowance			DOUBLE	Immediately	
-						
-	-	1	0	100	7/4	M

55585	TURN_CONT_INTERRUPT_TIME			-	-	
s	Contour turning: feed interrupt time (neg. values = revolutions)			DOUBLE	Immediately	
-						
-	-	-1	-	-	7/4	M

55586	TURN_CONT_INTER_RETRACTION			-	-	
mm	Contour turning: retraction path after feed interrupt			DOUBLE	Immediately	
-						
-	-	1	0	10	7/4	M

55587	TURN_CONT_MIN_REST_MAT_AX1			-	-	
%	Contour turning: minimum difference dimension residual machining axis 1			DOUBLE	Immediately	
-						
-	-	50	0	1000	7/4	M

55588	TURN_CONT_MIN_REST_MAT_AX2			-	-	
%	Contour turning: minimum difference dimension residual machining axis 2			DOUBLE	Immediately	
-						
-	-	50	0	1000	7/4	M

55595	TURN_CONT_TOOL_BEND_RETR			-	-	
mm	Contour plunge turning: retraction path due to tool bending			DOUBLE	Immediately	
-						
-	-	0.1	0	1	7/4	M

55596	TURN_CONT_TURN_RETRACTION			-	-	
mm	Contour plunge turning: retraction depth prior to turning			DOUBLE	Immediately	
-						
-	-	0.1	0	1	7/4	M

55600	MEA_COLLISION_MONITORING			-	-	
-	Collision detection with tool probe for intermediate positioning			BYTE	Immediately	
-						
-	-	1	0	1	7/5	U

55602	MEA_COUPL_SPIND_COORD			-	-	
-	Coupling spindle orientation with coordinate rotation in the active plane			BYTE	Immediately	
-						
-	-	0	0	1	7/7	U

55604	MEA_SPIND_MOVE_DIR			-	-	
-	Direction of rotation of spindle positioning			BYTE	Immediately	
-						
-	-	0	0	1	7/7	U

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55606	MEA_NUM_OF_MEASURE			-	-	
-	Number of measurement repetitions, if the probe does not switch			BYTE	Immediately	
-						
-	-	0	0	1	7/7	U

55608	MEA_RETRACTION_FEED			-	-	
-	Retraction velocity from the measuring point			BYTE	Immediately	
-						
-	-	0	0	1	7/7	U

55610	MEA_FEED_TYP			-	-	
-	Selection of measuring feed function, normal/rapid			BYTE	Immediately	
-						
-	-	0	0	1	7/7	U

55613	MEA_RESULT_DISPLAY			-	-	
-	Selection of measurement result display			BYTE	Immediately	
-						
-	-	0	0	10	7/7	U

55618	MEA_SIM_ENABLE			-	-	
-	Selection of measuring cycle response in a simulated environment			BYTE	Immediately	
-						
-	-	1	0	1	7/5	U

55619	MEA_SIM_MEASURE_DIFF			-	-	
mm	Value for simulated error of measurement			DOUBLE	Immediately	
-						
-	-	0	-100	100	7/5	U

55622	MEA_EMPIRIC_VALUE_NUM			-	-	
-	Number of empirical values			DWORD	Immediately	
-						
-	-	20	0	1000	7/5	U

55623	MEA_EMPIRIC_VALUE			-	-	
mm	Empirical value memory			DOUBLE	Immediately	
-						
-	20	0	-100000	100000	7/7	U

55624	MEA_AVERAGE_VALUE_NUM			-	-	
-	Number of mean values			DWORD	Immediately	
-						
-	-	20	0	1000	7/5	U

55625	MEA_AVERAGE_VALUE			-	-	
-	Mean value memory			DOUBLE	Immediately	
-						
-	20	0	-100000	100000	7/7	U

55630	MEA_FEED_RAPID_IN_PERCENT			-	-	
%	Rapid traverse velocity in per cent, for intermediate positioning			DOUBLE	Immediately	
-						
-	-	50	0	100	7/7	U

55631	MEA_FEED_PLANE_VALUE			-	-	
mm/min	Traverse velocity for intermediate positioning in the plane			DOUBLE	Immediately	
-						
-	-	1000	0	10000	7/7	U

55632	MEA_FEED_FEEDAX_VALUE			-	-	
mm/min	Positioning velocity in the infeed axis			DOUBLE	Immediately	
-						
-	-	1000	0	10000	7/7	U

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55633	MEA_FEED_FAST_MEASURE			-	-	
mm/min	Rapid measuring feed			DOUBLE	Immediately	
-						
-	-	900	0	10000	7/7	U

55761	J_MEA_SET_NUM_OF_ATTEMPTS			-	-	
-	Numb. of meas. attempts, if the probe does not switch, in "Measure in JOG"			BYTE	Immediately	
-						
-	-	0	0	1	7/7	U

55762	J_MEA_SET_RETRAC_MODE			-	-	
-	Select. of velocity of retract. from the meas. point, in "Measure in JOG"			BYTE	Immediately	
-						
-	-	0	0	1	7/7	U

55763	J_MEA_SET_FEED_MODE			-	-	
-	Measuring with rapid or normal measuring feed, in "Measure in JOG"			BYTE	Immediately	
-						
-	-	0	0	1	7/7	U

55770	J_MEA_SET_COUPL_SP_COORD			-	-	
-	Coupling spindle with coordinate rotation in the plane, in "Measure in JOG"			BYTE	Immediately	
-						
-	-	0	0	1	7/5	U

55771	J_MEA_SET_CAL_MODE			-	-	
-	Calibration hole with known/unknown center point, in "Measure in JOG"			BYTE	Immediately	
-						
-	-	0	0	1	7/5	U

55772	J_MEA_SET_PROBE_MONO			-	-	
-	Selection of the probe type, in "Measure in JOG"			BYTE	Immediately	
-						
-	-	0	0	1	7/7	U

55800	ISO_M_DRILLING_AXIS_IS_Z			-	-	
-	Drilling axis depends on the plane / always Z			BYTE	Immediately	
-						
-	-	0	0	1	7/6	U

55802	ISO_M_DRILLING_TYPE			-	-	
-	Tapping type			BYTE	Immediately	
-						
-	-	0	0	3	7/6	U

55804	ISO_M_RETRACTION_FACTOR			-	-	
%	Factor for retraction speed (0...200%)			DWORD	Immediately	
-						
-	-	100	0	200	7/6	U

55806	ISO_M_RETRACTION_DIR			-	-	
-	Retraction direction at G76/87			BYTE	Immediately	
-						
-	-	0	0	4	7/6	U

55808	ISO_T_RETRACTION_FACTOR			-	-	
%	Factor for retraction speed			DWORD	Immediately	
-						
-	-	100	0	200	7/6	U

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55810	ISO_T_DWELL_TIME_UNIT			-	-	
-	Dwell time evaluation			BYTE	Immediately	
-						
-	-	0	0	1	7/6	U

2.8 Compile cycles

Number	Identifier			Display filters	Reference	
Unit	Name			Data type	Active	
Attributes						
System	Dimension	Default value	Minimum value	Maximum value	Protection	Class

2.8.1 Machine data compile cycles

61516	CC_PROTECT_PAIRS			-	-	
-	Axis collision protection configuration			DWORD	Reset	
-						
-	-	0	0	0	7/2	M

61517	CC_PROTECT_SAFE_DIR			-	-	
-	Axis collision protection. Definition of the retraction direction.			DWORD	Reset	
-						
-	-	0	0	0	7/2	M

61518	CC_PROTECT_OFFSET			-	-	
mm, degrees	Axis collision protection. Position offset			DOUBLE	Reset	
-						
-	-	0.0	0.0	0.0	7/2	M

61519	CC_PROTECT_WINDOW			-	-	
mm, degrees	Axis collision protection. Minimum distance			DOUBLE	Reset	
-						
-	-	10.0	0.0	10000.0	7/2	M

61532	CC_PROTECT_DIR_IS_REVERSE			-	-	
-	Axis collision protection. Detection of the reversed direction.			DWORD	Reset	
-						
-	-	0	-	-	7/2	M

61533	CC_PROTECT_WINDOW_EXTENSION			-	-	
mm, degrees	Axis collision protection. Increase in the minimum distance			DOUBLE	NEW CONF	
-						
-	-	10.0	0.0	10000.0	7/2	M

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2.8.2 Channel-specific machine data compile cycles

62500	CLC_AXNO			-	-	
-	Axis assignment for clearance control			DWORD	PowerOn	
-						
-	-	0	-2	CC_MAXNUM_AXES_PER_CHAN	7/2	M

62502	CLC_ANALOG_INPUT			-	-	
-	Analog input for clearance control			DWORD	-	
-						
-	-	1	1	8	7/2	M

62504	CLC_SENSOR_TOUCHED_INPUT			-	-	
-	Input bit assignment for "Sensor collision" signal			DWORD	PowerOn	
-						
-	-	0	-40	40	7/2	M

62505	CLC_SENSOR_LOWER_LIMIT			-	-	
mm, degrees	Lower motion limit of the clearance control			DOUBLE	Reset	
-						
-	2	-5.0,-10.0	-1.0e40	0.0	7/2	M

62506	CLC_SENSOR_UPPER_LIMIT			-	-	
mm, degrees	Upper motion limit of the clearance control			DOUBLE	Reset	
-						
-	2	+10.0,+40.0	0.0	+1.0e40	7/2	M

62508	CLC_SPECIAL_FEATURE_MASK			-	-	
-	Special functions and CLC modes			DWORD	PowerOn	
-						
-	-	0x3	-	-	7/2	M

62510	CLC_SENSOR_VOLTAGE_TABLE_1			-	-	
V	Coordinate voltage sensor characteristic 1			DOUBLE	Reset	
-						
-	2	-10.0,10.0,0.0,0.0,0.0	-10.0	10.0	7/2	M

62511	CLC_SENSOR_VELO_TABLE_1			-	-	
mm/min	Coordinate velocity sensor characteristic 1			DOUBLE	Reset	
-						
-	2	2000.0/60.0,-2000.0/60.0,0.0...	-	-	7/2	M

62512	CLC_SENSOR_VOLTAGE_TABLE_2			-	-	
V	Coordinate voltage sensor characteristic 2			DOUBLE	Reset	
-						
-	2	-10.0,10.0,0.0,0.0,0.0	-10.0	10.0	7/2	M

62513	CLC_SENSOR_VELO_TABLE_2			-	-	
mm/min	Coordinate velocity sensor characteristic 2			DOUBLE	Reset	
-						
-	2	2000.0/60.0,-2000.0/60.0,0.0...	-	-	7/2	M

62516	CLC_SENSOR_VELO_LIMIT			-	-	
%	Velocity of the clearance control motion			DOUBLE	Reset	
-						
-	-	100.0	-200.0	200.0	7/2	M

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62517	CLC_SENSOR_ACCEL_LIMIT			-	-	
%	Acceleration of the clearance control movement			DOUBLE	Reset	
-						
-	-	100.0	0.0	200.0	7/2	M

62520	CLC_SENSOR_STOP_POS_TOL			-	-	
mm, degrees	Pos. tolerance for status report "CLC standstill"			DOUBLE	Reset	
-						
-	-	0.05	0.0	1.0e40	7/2	M

62521	CLC_SENSOR_STOP_DWELL_TIME			-	-	
s	Wait time for "CLC standstill"			DOUBLE	Reset	
-						
-	-	0.1	0.0	1.0e40	7/2	M

62522	CLC_OFFSET_ASSIGN_ANAOUT			-	-	
-	Assignment of internal additional analog value to sensor signal			DWORD	PowerOn	
-						
-	-	0	-1020008 , -8	1020008 , 8	7/2	M

62523	CLC_LOCK_DIR_ASSIGN_DIGOUT			-	-	
-	Assignment digital output interlocking CLC			DWORD	PowerOn	
-						
-	2	0,0	-40	40	7/2	M

62524	CLC_ACTIVE_AFTER_RESET			-	-	
-	Clearance control active after RESET			BOOLEAN	PowerOn	
-						
-	-	FALSE	-	-	7/2	M

62525	CLC_SENSOR_FILTER_TIME			-	-	
s	Time constant of PT1 sensor filtering			DOUBLE	Immediately	
-						
-	-	0.0	0.0	10.0	7/2	M

62528	CLC_PROG_ORI_AX_MASK			-	-	
-	Axis screen for CLC with free direction specification			DWORD	PowerOn	
-						
-	-	0x0	-	-	7/2	M

62529	CLC_PROG_ORI_MAX_ANGLE			-	-	
degrees	Limit angle for CLC with free direction specification			DOUBLE	Reset	
-						
-	-	45.0	0.0	180.0	7/2	M

62530	CLC_PROG_ORI_ANGLE_AC_PARAM			-	-	
-	Index of the display variables f. the current differential angle			DWORD	Reset	
-						
-	-	-1	-1	20000	7/2	M

62560	FASTON_NUM_DIG_OUTPUT			-	-	
-	Configuration of the switching output			BYTE	PowerOn	
-						
-	-	0	0	4	7/2	M

62561	FASTON_OUT_DELAY_MICRO_SEC			-	-	
-	still missing			DWORD	NEW CONF	
-						
-	2	0,0	-5000	5000	7/2	M

62571	RESU_RING_BUFFER_SIZE			-	-	
-	RESU ring buffer size (block buffer)			DWORD	PowerOn	
-						
-	-	1000	10	1000000	7/2	M

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62572	RESU_SHARE_OF_CC_HEAP_MEM			-	-	
%	RESU share of the parameterized heap memory			DOUBLE	PowerOn	
-						
-	-	100.0	1.0	100.0	7/2	M

62573	RESU_INFO_SA_VAR_INDEX			-	-	
-	RESU indices of the synchronized action variables used			DWORD	PowerOn	
-						
-	2	-1	-1	10000	7/2	M

62574	RESU_SPECIAL_FEATURE_MASK			-	-	
-	RESU parameterizable behavior			DWORD	PowerOn	
-						
-	-	0x0	0x0	0x0f	7/2	M

62575	RESU_SPECIAL_FEATURE_MASK_2			-	-	
-	RESU additional parameterizable behavior			DWORD	Reset	
-						
-	-	0x0	0x0	0x01	7/2	M

62580	RESU_WORKING_PLANE			-	-	
-	RESU determination of the working plane			DWORD	NEW CONF	
-						
-	-	1	1	3	7/2	M

62600	TRAFO6_KINCLASS			-	-	
-	Kinematics class			DWORD	NEW CONF	
-						
-	-	1	1	2	7/2	M

62601	TRAFO6_AXES_TYPE			-	-	
-	Axis type for transformation [axis no.]: 0...5			DWORD	NEW CONF	
-						
-	6	1, 1, 1, 3, 3, 3	1	4	7/2	M

62602	TRAFO6_SPECIAL_KIN			-	-	
-	Special kinematics type			DWORD	NEW CONF	
-						
-	-	1	-	-	7/2	M

62603	TRAFO6_MAIN_AXES			-	-	
-	Basic axis identification			DWORD	NEW CONF	
-						
-	-	1	1	7	7/2	M

62604	TRAFO6_WRIST_AXES			-	-	
-	Identification of the hand axes			DWORD	NEW CONF	
-						
-	-	1	1	6	7/2	M

62605	TRAFO6_NUM_AXES			-	-	
-	Number of transformed axes			DWORD	NEW CONF	
-						
-	-	3	2	6	7/2	M

62606	TRAFO6_A4PAR			-	-	
-	Axis 4 parallel / antiparallel to the last basic axis			DWORD	NEW CONF	
-						
-	-	0	0	1	7/2	M

62607	TRAFO6_MAIN_LENGTH_AB			-	-	
mm	Basic axis length A and B, n = 0...1			DOUBLE	NEW CONF	
-						
-	2	0.0, 500.0	-	-	7/2	M

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62608	TRAFO6_TX3P3_POS			-	-	
mm	Attachment of the hand (position share), n = 0...2			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0, 0.0	-	-	7/2	M

62609	TRAFO6_TX3P3_RPY			-	-	
degrees	Attachment of the hand (rotation share), n = 0...2			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0, 0.0	-	-	7/2	M

62610	TRAFO6_TFLWP_POS			-	-	
mm	Frame between hand pt. and flange coordinate system, n = 0...2			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0, 0.0	-	-	7/2	M

62611	TRAFO6_TFLWP_RPY			-	-	
degrees	Frame between hand point and flange coordinate system, n = 0...2			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0, 0.0	-	-	7/2	M

62612	TRAFO6_TIRORO_POS			-	-	
mm	Frame between foot pt. and int. coordinate system, n = 0...2			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0, 0.0	-	-	7/2	M

62613	TRAFO6_TIRORO_RPY			-	-	
degrees	Frame between foot pt. and int. coordinate system, n = 0...2			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0, 0.0	-	-	7/2	M

62614	TRAFO6_DHPAR4_5A			-	-	
mm	Parameter A for configuration of the hand, n = 0...1			DOUBLE	NEW CONF	
-						
-	2	0.0, 0.0	-	-	7/2	M

62615	TRAFO6_DHPAR4_5D			-	-	
mm	Parameter D for configuration of the hand, n = 0...1			DOUBLE	NEW CONF	
-						
-	2	0.0, 0.0	-	-	7/2	M

62616	TRAFO6_DHPAR4_5ALPHA			-	-	
degrees	Parameter ALPHA for configuration of the hand, n = 0...1			DOUBLE	NEW CONF	
-						
-	2	-90.0, 90.0	-	-	7/2	M

62617	TRAFO6_MAMES			-	-	
-	Offset of math. to mech. zero point [axis no.]: 0...5			DOUBLE	NEW CONF	
-						
-	6	0.0, 0.0, 0.0, 0.0, 0.0, 0.0	-	-	7/2	M

62618	TRAFO6_AXES_DIR			-	-	
-	Adjustm. of the phys. and math. dir. of rot. [axis no.]: 0...5			DWORD	NEW CONF	
-						
-	6	1, 1, 1, 1, 1, 1	-1	1	7/2	M

62619	TRAFO6_DIS_WRP			-	-	
mm	Medium distance between hand point and singularity			DOUBLE	NEW CONF	
-						
-	-	10.0	0.00001	999999.9999	7/2	M

62620	TRAFO6_AXIS_SEQ			-	-	
-	Axis reorganization			DWORD	NEW CONF	
-						
-	6	1, 2, 3, 4, 5, 6	1	6	7/2	M

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62621	TRAFO6_SPIN_ON			-	-	
-	Triangular or acme-screw spindles available			DWORD	NEW CONF	
-						
-	-	0	0	1	7/2	M

62622	TRAFO6_SPIND_AXIS			-	-	
-	Axis on which the triangular spindle has an effect, n = 0...2			DWORD	NEW CONF	
-						
-	3	0, 0, 0	-	-	7/2	M

62623	TRAFO6_SPINDLE_RAD_G			-	-	
mm	Length G for triangular spindle, n = 0...2			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0, 0.0	-	-	7/2	M

62624	TRAFO6_SPINDLE_RAD_H			-	-	
mm	Length H for triangular spindle, n = 0...2			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0, 0.0	-	-	7/2	M

62625	TRAFO6_SPINDLE_SIGN			-	-	
-	Sign for triangular spindle, n = 0...2			DWORD	NEW CONF	
-						
-	3	1, 1 ,1	-1	1	7/2	M

62626	TRAFO6_SPINDLE_BETA			-	-	
degrees	Angular offset for triangular spindles, n = 0...2			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0, 0.0	-	-	7/2	M

62627	TRAFO6_TRP_SPIND_AXIS			-	-	
-	Axes driven by acme spindle, n = 0...1			DWORD	NEW CONF	
-						
-	2	0, 0	-	-	7/2	M

62628	TRAFO6_TRP_SPIND_LEN			-	-	
mm	Acme length, n = 0...3			DOUBLE	NEW CONF	
-						
-	4	0.0, 0.0, 0.0, 0.0	-	-	7/2	M

62629	TRAFO6_VELCP			-	-	
mm/min	Cartesian velocity [no.]: 0...2			DOUBLE	Immediately	
-						
-	3	600000.0, 600000.0, 600000.0	-	-	7/2	M

62630	TRAFO6_ACCCP			-	-	
m/s²	Cartesian accelerations [no.]: 0...2			DOUBLE	Immediately	
-						
-	3	0.5, 0.5, 0.5	0.001	100000	7/2	M

62631	TRAFO6_VELORI			-	-	
rev/min	Orientation angle velocities [no.]: 0...2			DOUBLE	Immediately	
-						
-	3	1.6666, 1.6666, 1.6666	-	-	7/2	M

62632	TRAFO6_ACCORI			-	-	
rev/s²	Orientation angle accelerations [no.]: 0...2			DOUBLE	Immediately	
-						
-	3	0.00277, 0.00277, 0.00277	0.001	100000	7/2	M

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62633	TRAFO6_REDVELJOG			-	-	
-	Reduction factor velocity in JOG [no.]: 0...2			DOUBLE	Immediately	
-						
-	6	10.0, 10.0, 10.0, 10.0, 10.0, 10.0	-	-	7/2	M

62634	TRAFO6_DYN_LIM_REDUCE			-	-	
-	Reduction factor for velocity controller			DOUBLE	NEW CONF	
-						
-	-	1.0	0.001	1.0	7/2	M

62635	TRAFO6_VEL_FILTER_TIME			-	-	
s	Time constant for velocity controller			DOUBLE	NEW CONF	
-						
-	-	0.024	0.0	100.0	7/2	M

62636	TRAFO6_CC_TOA_START_NUM			-	-	
-	Starting number for tool orientations			DWORD	PowerOn	
-						
-	-	0	0	8	7/2	M

62637	TRAFO6_EXT_AXIS_VECTOR_1			-	-	
-	Direction vector of the first special axis, n = 0...2			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0, 1.0	-1.0	1.0	7/2	M

62638	TRAFO6_EXT_AXIS_VECTOR_2			-	-	
-	Direction vector of the second special axis, n = 0...2			DOUBLE	NEW CONF	
-						
-	3	0.0, 1.0, 0.0	-1.0	1.0	7/2	M

62639	TRAFO6_EXT_AXIS_VECTOR_3			-	-	
-	Direction vector of the third special axis, n = 0...2			DOUBLE	NEW CONF	
-						
-	3	0.0, 0.0, 1.0	-1.0	1.0	7/2	M

63514	CC_PROTECT_ACCEL			-	-	
m/s², rev/s²	PROT braking acceleration in the case of collision			DOUBLE	Reset	
-						
-	-	1000.0	1.0	10000.0	7/2	M

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2.8.3 Axis-specific machine data compile cycles

63540	CC_MASTER_AXIS			-	-	
-	Indicates the corresponding CC_Master axis for a CC_Slave axis			DWORD	Reset	
-						
-	-	0	0	CC_MAXNUM_AXES_IN_SYSTEM	7/2	M

63541	CC_POSITION_TOL			-	-	
mm, degrees	Monitoring window (only relevant to a CC_Slave axis)			DOUBLE	Reset	
-						
-	-	0.0	-	-	7/2	M

63542	CC_PROTECT_MASTER			-	-	
-	Indicates the corresponding PMaster axis for a PSlave axis			DWORD	Reset	
-						
-	-	0	0	CC_MAXNUM_AXES_IN_SYSTEM	7/2	M

63543	CC_PROTECT_OPTIONS			-	-	
-	Configuration of the collision protection function			DWORD	Reset	
-						
-	-	0	0	0xFF	7/2	M

63544	CC_COLLISION_WIN			-	-	
mm, degrees	Collision protection window			DOUBLE	Reset	
-						
-	-	-1.0	-	-	7/2	M

63545	CC_OFFSET_MASTER			-	-	
mm, degrees	Work offset for collision protection			DOUBLE	PowerOn	
-						
-	-	0.0	-	-	7/2	M

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Product: ALL_840, Version: 2604800, Language: eng
Objects: A_INF, B_INF, CU_CX32, CU_I, CU_LINK, CU_S, HUB, S_INF, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, TM54F_MA, TM54F_SL, VECTOR

r0002 Infeed operating display

A_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	250	-

r0002 Infeed operating display

B_INF

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	250	-

r0002 Control Unit operating display

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	117	-

r0002 DRIVE-CLiQ Hub Module operating display

HUB

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	250	-

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r0002 **Drive operating display**

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	250	-

r0002 **TB30 operating display**

TB30

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	250	-

r0002 **TM15 operating display**

TM15

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	250	-

r0002 **TM15DI/DO operating display**

TM15DI_DO

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	250	-

r0002 **TM17 operating display**

TM17

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	250	-

r0002 **TM31 operating display**

TM31

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	250	-

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r0002 TM41 operating display

TM41

Can be changed: -
Data type: Integer16
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 1
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	250	-

r0002 TM54F operating display

TM54F_MA, TM54F_SL

Can be changed: -
Data type: Integer16
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 1
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	117	-

p0003 BOP access level

CU_CX32, CU_I, CU_S

Can be changed: C1, U, T
Data type: Integer16
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 1
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	4	1

p0004 BOP display filter

CU_CX32, CU_I, CU_S

Can be changed: C2(1), U, T
Data type: Integer16
P-Group: -
Not for motor type: ASM

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 1
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	99	0

p0005[0...1] BOP operating display selection

A_INF, B_INF, CU_S, HUB, S_INF, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, TM54F_MA, TM54F_SL, VECTOR

Can be changed: U, T
Data type: Unsigned16
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	65535	[0] 2 [1] 0

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p0006 **BOP operating display mode**

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	4	4

p0006 **BOP operating display mode**

CU_S, HUB, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, TM54F_MA, TM54F_SL

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
4	4	4

p0007 **BOP background lighting**

CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [s]	2000 [s]	0 [s]

p0008 **BOP drive object after booting**

CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	65535	1

p0009 **Device commissioning parameter filter**

CU_CX32, CU_I, CU_S

Can be changed: C1, T | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	10000	1

p0010 **Infeed commissioning parameter filter**

A_INF, B_INF, S_INF

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	30	1

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p0010 **Drive commissioning parameter filter**

SERVO, VECTOR

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 2800, 2846
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	10000	1

p0010 **TB30 commissioning parameter filter**

TB30

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	30	0

p0010 **TM15 commissioning parameter filter**

TM15

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	30	0

p0010 **TM15DI/DO commissioning the parameterizing filter**

TM15DI_DO

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	30	0

p0010 **TM17 commissioning parameter filter**

TM17

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	30	0

p0010 **TM31 commissioning parameter filter**

TM31

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	30	0

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p0010 TM41 commissioning parameter filter

TM41

Can be changed: C2(1), T
Data type: Integer16
P-Group: -
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 1
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	30	0

p0010 TM54F commissioning parameter filter

TM54F_MA

Can be changed: C2(1), T
Data type: Integer16
P-Group: -
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 1
Func. diagram: 2847
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	95	0

p0011 BOP password entry (p0013)

CU_S

Can be changed: U, T
Data type: Unsigned16
P-Group: Functions
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	65535	0

p0012 BOP password acknowledgement (p0013)

CU_S

Can be changed: U, T
Data type: Unsigned16
P-Group: Functions
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	65535	0

p0013[0...49] BOP user-defined list

A_INF, B_INF, CU_S, HUB, S_INF, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, TM54F_MA, TM54F_SL, VECTOR

Can be changed: U, T
Data type: Unsigned16
P-Group: Functions
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	65535	0

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p0015 Macro drive object

A_INF, B_INF, S_INF, SERVO, TM15DI_DO, TM31, VECTOR

Can be changed: C2(1) | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	999999	0

p0015 Macro drive unit

CU_CX32, CU_I, CU_S

Can be changed: C1 | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	999999	0

p0016 Activate BOP user-defined list

CU_S

Can be changed: C1, U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

r0018 Control Unit Firmware-Version

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0019.0...14 CO/BO: Control word BOP

CU_S

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0020 Speed setpoint smoothed

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 5020, 6799
P-Group: Displays, signals | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

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r0020 Velocity setpoint smoothed

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5020, 6799
P-Group: Displays, signals **Units group:** 4_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r0021 CO: Actual speed smoothed

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1580, 1680, 4710, 6799
P-Group: Displays, signals **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r0021 CO: Actual velocity smoothed

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1580, 1680, 4710, 6799
P-Group: Displays, signals **Units group:** 4_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r0022 Actual speed rpm smoothed

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1580, 1680, 4710, 6799
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r0022 Actual velocity smoothed

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1580, 1680, 4710, 6799
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

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r0024 CO: Line supply frequency smoothed

A_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8850, 8950
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [Hz]	- [Hz]	- [Hz]

r0024 Output frequency smoothed

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1690, 5300, 5730, 6799
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [Hz]	- [Hz]	- [Hz]

r0025[0...3] CO: Input voltage smoothed

A_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8850, 8950
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

r0025 CO: Output voltage smoothed

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1690, 5730, 6799
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

r0026 CO: DC link voltage smoothed

A_INF, B_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8750, 8850, 8950
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

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r0026 CO: DC link voltage smoothed

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5730, 6725, 6799
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

r0027 CO: Absolute actual current smoothed

A_INF, S_INF, SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5730, 6799, 8850, 8950
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r0027 CO: Absolute actual current smoothed

B_INF

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8750
P-Group: Displays, signals **Units group:** 6_4 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

r0028 Modulation depth smoothed

A_INF, SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5730, 6799, 8950
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r0029 Reactive current actual value smoothed

A_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8850, 8950
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

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r0029 Current actual value field-generating smoothed

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5730, 6799
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r0030 Active current actual value smoothed

A_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8850, 8950
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r0030 Current actual value torque-generating smoothed

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5730, 6799
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r0030 Current actual value force generating smoothed

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5730, 6799
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r0031 Actual torque smoothed

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5730, 6799
P-Group: Displays, signals **Units group:** 7_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

r0031 Force actual value smoothed

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5730, 6799
P-Group: Displays, signals **Units group:** 8_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
- [N]	- [N]	- [N]

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r0032 CO: Active power actual value smoothed

A_INF, S_INF, SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5730, 6799, 8750, 8850, 8950
P-Group: Displays, signals **Units group:** 14_10 **Unit selection:** p0505
Not for motor type: - **Scaling:** r2004 **Expert list:** 1

Min	Max	Factory setting
- [kW]	- [kW]	- [kW]

r0032 CO: Active power actual value smoothed

B_INF

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5730, 6799, 8750, 8850, 8950
P-Group: Displays, signals **Units group:** 14_10 **Unit selection:** p0505
Not for motor type: - **Scaling:** r2004 **Expert list:** 1

Min	Max	Factory setting
- [kW]	- [kW]	- [kW]

r0033 Torque utilization smoothed

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8012
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r0033 Force utilization smoothed

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8012
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r0034 Motor utilization

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8017
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: ASM, REL, FEM **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r0035 CO: Temperature input

A_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8850, 8950
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

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r0035 **CO: Temperature input**

B_INF

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8750
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r0035 **CO: Motor temperature**

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 7008, 8016, 8017
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r0036 **Power unit overload I2t**

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8014
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r0037[0...19] **CO: Power unit temperatures**

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8014
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r0037[0...1] **Control Unit temperature**

CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r0038 **Power factor smoothed**

A_INF, S_INF, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 6799, 8850, 8950
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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p0045 Smoothing time constant, display values

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 4715, 5610, 5730, 6714, 8012
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	200.00 [ms]	1.00 [ms]

r0046.0...29 CO/BO: Missing enable sig

A_INF, S_INF

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 8834, 8934
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0046.0...29 CO/BO: Missing enable sig

B_INF

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 8734
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0046.0...31 CO/BO: Missing enable sig

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 2634
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0046.0...31 CO/BO: Missing enable sig

SERVO (Lin)

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 2634
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0047 Status, identification

SERVO

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	104	-

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r0047 Motor data ident. routine and speed controller optimization

VECTOR

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	300	-

r0049[0...3] Motor data set/encoder data set effective

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** 8565, 8570, 8575
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0050.0...3 CO/BO: Command Data Set CDS effective

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** 8560
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0051.0...4 CO/BO: Drive Data Set DDS effective

SERVO, TM41, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0056.1...15 CO/BO: Status word, closed-loop control

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 1530, 2526
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0056.0...15 CO/BO: Status word, closed-loop control

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 1530, 2526
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r0060 CO: Speed setpoint before the setpoint filter

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 2701, 2704, 5020, 6030, 6799
P-Group: Displays, signals **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r0060 CO: Velocity setpoint before the setpoint filter

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 2701, 2704, 5020
P-Group: Displays, signals **Units group:** 4_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r0061 CO: Actual speed motor encoder

SERVO

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1580, 4710, 4715
P-Group: Displays, signals **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r0061 CO: Velocity actual value, motor encoder

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1580, 4710, 4715
P-Group: Displays, signals **Units group:** 4_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r0061[0...1] CO: Actual speed motor encoder

VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1580, 4710, 4715
P-Group: Displays, signals **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

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r0062 **CO: Speed setpoint after the filter**

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1590, 1700, 5020, 5030, 5042, 5210, 6030, 6031
P-Group: Displays, signals **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r0062 **CO: Velocity setpoint after the filter**

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1590, 5020, 5030, 5042, 5210
P-Group: Displays, signals **Units group:** 4_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r0063 **CO: Speed actual value after actual value smoothing**

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1580, 1590, 4710, 5300
P-Group: Displays, signals **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r0063 **CO: Actual velocity smoothed**

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1580, 1590, 4710, 5300
P-Group: Displays, signals **Units group:** 4_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r0063 **CO: Speed actual value after actual value smoothing**

TM41

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Displays, signals **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r0063[0...2] **CO: Actual speed value**

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1680, 4715
P-Group: Displays, signals **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

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Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r0064 CO: Speed controller system deviation

SERVO, VECTOR

Can be changed: -	**Calculated:** -	**Access level:** 3
Data type: FloatingPoint32	**Dynamic index:** -	**Func. diagram:** 5040, 5042, 6040
P-Group: Displays, signals	**Units group:** 3_1	**Unit selection:** p0505
Not for motor type: -	**Scaling:** p2000	**Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r0064 CO: Velocity controller system deviation

SERVO (Lin)

Can be changed: -	**Calculated:** -	**Access level:** 3
Data type: FloatingPoint32	**Dynamic index:** -	**Func. diagram:** 5040, 5042
P-Group: Displays, signals	**Units group:** 4_1	**Unit selection:** p0505
Not for motor type: -	**Scaling:** p2000	**Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r0065 Slip frequency

SERVO, VECTOR

Can be changed: -	**Calculated:** -	**Access level:** 3
Data type: FloatingPoint32	**Dynamic index:** -	**Func. diagram:** 1710, 6310, 6727, 6730, 6732
P-Group: Displays, signals	**Units group:** 2_1	**Unit selection:** p0505
Not for motor type: -	**Scaling:** p2000	**Expert list:** 1

Min	Max	Factory setting
- [Hz]	- [Hz]	- [Hz]

r0066 CO: Line frequency

A_INF, S_INF

Can be changed: -	**Calculated:** -	**Access level:** 3
Data type: FloatingPoint32	**Dynamic index:** -	**Func. diagram:** 8850, 8950, 8961, 8999
P-Group: Displays, signals	**Units group:** 2_1	**Unit selection:** p0505
Not for motor type: -	**Scaling:** p2000	**Expert list:** 1

Min	Max	Factory setting
- [Hz]	- [Hz]	- [Hz]

r0066 CO: Output frequency

SERVO, VECTOR

Can be changed: -	**Calculated:** -	**Access level:** 3
Data type: FloatingPoint32	**Dynamic index:** -	**Func. diagram:** 1690, 1710, 5300, 5730, 6730, 6731, 6732, 6799
P-Group: Displays, signals	**Units group:** 2_1	**Unit selection:** p0505
Not for motor type: -	**Scaling:** p2000	**Expert list:** 1

Min	Max	Factory setting
- [Hz]	- [Hz]	- [Hz]

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r0067[0...1] Absolute current value permissible

A_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Displays, signals **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min **Max** **Factory setting**
- [Arms] - [Arms] - [Arms]

r0067 Output current, maximum

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1690, 1700, 5722, 6300, 6640
P-Group: Displays, signals **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min **Max** **Factory setting**
- [Arms] - [Arms] - [Arms]

r0068 CO: Absolute current actual value

A_INF, S_INF, SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5730, 7017, 8014, 8017, 8850, 8950
P-Group: Displays, signals **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min **Max** **Factory setting**
- [Arms] - [Arms] - [Arms]

r0068 CO: DC current in the DC link

B_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8014, 8750
P-Group: Displays, signals **Units group:** 6_4 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min **Max** **Factory setting**
- [A] - [A] - [A]

r0068[0...1] CO: Absolute current actual value

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1690, 6714, 6799, 7017, 8014, 8017, 8018
P-Group: Displays, signals **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min **Max** **Factory setting**
- [Arms] - [Arms] - [Arms]

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r0069[0...6] Phase current actual value

A_INF, S_INF, SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1630, 5730, 6730, 6731, 6732, 7008, 8850, 8950
P-Group: Displays, signals **Units group:** 6_5 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

r0070 CO: Actual DC link voltage

A_INF, B_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1773, 1774, 1775, 8750, 8850, 8950
P-Group: Displays, signals **Units group:** 5_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

r0070 CO: Actual DC link voltage

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5730, 6723, 6724, 6730, 6731, 6799
P-Group: Displays, signals **Units group:** 5_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

r0071 Maximum output voltage

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1710, 6300, 6640, 6722, 6723, 6724, 6725, 6727
P-Group: Displays, signals **Units group:** 5_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

r0072[0...3] CO: Input voltage

A_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8850, 8950
P-Group: Displays, signals **Units group:** 5_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

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r0072 CO: Output voltage

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1630, 5730, 6730, 6731, 6799
P-Group: Displays, signals **Units group:** 5_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

r0073 Maximum modulation depth

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 6724
P-Group: Modulation **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r0074 CO: Modulat_depth

A_INF, SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1710, 5730, 6730, 6731, 6732, 6799, 8940, 8950
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r0075 CO: Reactive current setpoint

A_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8946
P-Group: Displays, signals **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r0075 CO: Current setpoint field-generating

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1630, 5714, 5722, 6714
P-Group: Displays, signals **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

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r0076 **CO: Reactive current actual value**

A_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1774, 1775, 8850, 8946, 8950
P-Group: Displays, signals **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r0076 **CO: Current actual value field-generating**

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1630, 1710, 5714, 5730, 6714, 6799
P-Group: Displays, signals **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r0077 **CO: Active current setpoint**

A_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1774, 8940, 8946
P-Group: Displays, signals **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r0077 **CO: Current setpoint torque-generating**

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1630, 1774, 5714, 6710, 6714, 6719
P-Group: Displays, signals **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r0077 **CO: Current setpoint force-generating**

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1630, 1774, 5714, 6710, 6714, 6719
P-Group: Displays, signals **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

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r0078 **CO: Active current actual value**

A_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1774, 1775, 8850, 8946, 8950
P-Group: Displays, signals **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r0078[0...1] **CO: Current actual value torque-generating**

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1630, 5714, 5730
P-Group: Displays, signals **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r0078[0...1] **CO: Current actual value force-generating**

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1630, 5714, 5730
P-Group: Displays, signals **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r0078 **CO: Current actual value torque-generating**

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1710, 6310, 6714, 6727, 6799
P-Group: Displays, signals **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r0079[0...1] **CO: Torque setpoint total**

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1750, 5610, 8012
P-Group: Displays, signals **Units group:** 7_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

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r0079[0...1] CO: Total force setpoint

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1750, 5610, 8012
P-Group: Displays, signals **Units group:** 8_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2003 **Expert list:** 1

Min - [N] **Max** - [N] **Factory setting** - [N]

r0079 CO: Torque setpoint total

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1700, 1710, 1750, 6030, 6060, 6710, 8012
P-Group: Displays, signals **Units group:** 7_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2003 **Expert list:** 1

Min - [Nm] **Max** - [Nm] **Factory setting** - [Nm]

r0080 CO: Torque actual value

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5730
P-Group: Displays, signals **Units group:** 7_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2003 **Expert list:** 1

Min - [Nm] **Max** - [Nm] **Factory setting** - [Nm]

r0080 CO: Force actual value

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5730
P-Group: Displays, signals **Units group:** 8_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2003 **Expert list:** 1

Min - [N] **Max** - [N] **Factory setting** - [N]

r0080[0...1] CO: Torque actual value

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 6714, 6799
P-Group: Displays, signals **Units group:** 7_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2003 **Expert list:** 1

Min - [Nm] **Max** - [Nm] **Factory setting** - [Nm]

r0081 CO: Torque utilization

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8012
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min - [%] **Max** - [%] **Factory setting** - [%]

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r0081 **CO: Force utilization**

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8012
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min **Max** **Factory setting**
- [%] - [%] - [%]

r0082 **CO: Active power actual value**

A_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8750, 8850, 8950
P-Group: Displays, signals **Units group:** 14_7 **Unit selection:** p0505
Not for motor type: - **Scaling:** r2004 **Expert list:** 1

Min **Max** **Factory setting**
- [kW] - [kW] - [kW]

r0082 **CO: Active power actual value**

B_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8750, 8850, 8950
P-Group: Displays, signals **Units group:** 14_7 **Unit selection:** p0505
Not for motor type: - **Scaling:** r2004 **Expert list:** 1

Min **Max** **Factory setting**
- [kW] - [kW] - [kW]

r0082[0...2] **CO: Active power actual value**

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5730
P-Group: Displays, signals **Units group:** 14_5 **Unit selection:** p0505
Not for motor type: - **Scaling:** r2004 **Expert list:** 1

Min **Max** **Factory setting**
- [kW] - [kW] - [kW]

r0082[0...2] **CO: Active power actual value**

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5730
P-Group: Displays, signals **Units group:** 14_8 **Unit selection:** p0505
Not for motor type: - **Scaling:** r2004 **Expert list:** 1

Min **Max** **Factory setting**
- [kW] - [kW] - [kW]

r0082[0...2] **CO: Active power actual value**

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 6714, 6799
P-Group: Displays, signals **Units group:** 14_5 **Unit selection:** p0505
Not for motor type: - **Scaling:** r2004 **Expert list:** 1

Min **Max** **Factory setting**
- [kW] - [kW] - [kW]

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r0083 CO: Flux setpoint

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5722
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r0084 CO: Flux actual value

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5722
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r0084[0...1] CO: Flux actual value

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 6726, 6730, 6731
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r0087 CO: Actual power factor

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 6714, 6730, 6732, 6799
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0088 CO: DC link voltage setpoint

A_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8940, 8964
P-Group: Displays, signals **Units group:** 5_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

r0089[0...2] Actual phase voltage

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 6719
P-Group: Displays, signals **Units group:** 5_3 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

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p0092 Clock synchronous operation pre-assignment/check

CU_CX32, CU_I

Can be changed: C1(1) | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	1

p0092 Clock synchronous operation pre-assignment/check

CU_S

Can be changed: C1(1) | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

r0093 CO: Pole position angle electrically normalized

SERVO

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2005 | **Expert list:** 1

Min	Max	Factory setting
- [°]	- [°]	- [°]

r0094 CO: Transformation angle

A_INF, S_INF

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8850, 8950
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2005 | **Expert list:** 1

Min	Max	Factory setting
- [°]	- [°]	- [°]

r0094 CO: Transformation angle

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 1580, 1680, 1690, 4710, 6714, 6730, 6731, 6732
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2005 | **Expert list:** 1

Min	Max	Factory setting
- [°]	- [°]	- [°]

p0097 Select drive object type

CU_CX32, CU_I, CU_S

Can be changed: C1(1) | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Topology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	17	0

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r0098[0...5] Actual device topology

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Topology **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p0099[0...5] Device target topology

CU_CX32, CU_I, CU_S

Can be changed: C1(1) **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Topology **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p0100 IEC/NEMA mot stds

SERVO

Can be changed: C2(1) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

p0100 IEC/NEMA mot stds

VECTOR

Can be changed: C2(1) **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

p0101[0...15] Drive object numbers

CU_CX32, CU_I, CU_S

Can be changed: C1(1) **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Topology **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	62	0

r0102[0...1] Number of drive objects

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Topology **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r0103 **Application-specific view**

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: -
Data type: Unsigned16
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	65535	-

p0103[0...15] **Application-specific view**

CU_CX32, CU_I, CU_S

Can be changed: C1(2)
Data type: Unsigned16
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	999	0

p0105 **Activate/de-activate drive object**

A_INF, B_INF, CU_LINK, HUB, S_INF, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, VECTOR

Can be changed: T
Data type: Integer16
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	2	1

p0105 **Activate/de-activate drive object**

CU_CX32, CU_I, CU_S

Can be changed: U, T
Data type: Integer16
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	1	1

p0105 **Activate/de-activate drive object**

TM54F_MA, TM54F_SL

Can be changed: T
Data type: Integer16
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	2	1

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r0106 Drive object active/inactive

A_INF, B_INF, CU_CX32, CU_I, CU_LINK, CU_S, HUB, S_INF, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, VECTOR

Can be changed: -
Data type: Integer16
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	1	-

r0107 Drive object type

A_INF, B_INF, CU_LINK, HUB, S_INF, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, TM54F_MA, TM54F_SL, VECTOR

Can be changed: -
Data type: Integer16
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	254	-

p0107[0...15] Drive object type

CU_CX32, CU_I, CU_S

Can be changed: C1(2)
Data type: Integer16
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	254	0

r0108 Drive object, function module

A_INF, B_INF, S_INF

Can be changed: -
Data type: Unsigned32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p0108[0...15] Drive object, function module

CU_CX32, CU_I, CU_S

Can be changed: C1(2)
Data type: Unsigned32
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

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r0108 **Drive object, function module**

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0108 **Drive object, function module**

TB30, TM15DI_DO, TM31, TM41

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0110[0...2] **Basic sampling times**

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	10000.00 [µs]	- [µs]

r0111 **Basic sampling time selection**

A_INF, B_INF, CU_CX32, CU_I, CU_LINK, CU_S, HUB, S_INF, SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	2	-

r0111 **Basic sampling time selection**

TB30, TM15, TM15DI_DO, TM17, TM31, TM41

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	2	-

p0112 **Sampling times pre-setting p0115**

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: C1(3) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	5	3

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p0113 Minimum pulse frequency, selection

SERVO

Can be changed: C1(3) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
2.000 [kHz]	4.000 [kHz]	4.000 [kHz]

p0113 Minimum pulse frequency, selection

VECTOR

Can be changed: C1(3) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1.000 [kHz]	2.000 [kHz]	2.000 [kHz]

r0114[0...9] Minimum pulse frequency, recommended

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [kHz]	- [kHz]	- [kHz]

p0115[0...6] Sampling times for internal control loops

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: C1(3) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	16000.00 [µs]	[0] 125.00 [µs] [1] 125.00 [µs] [2] 125.00 [µs] [3] 4000.00 [µs] [4] 1000.00 [µs] [5] 4000.00 [µs] [6] 4000.00 [µs]

p0115[0] Sampling time for supplementary functions

CU_CX32, CU_I, CU_S

Can be changed: C1(3) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	16000.00 [µs]	4000.00 [µs]

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p0115[0...6] Sampling times for internal control loops

SERVO (Lin)

Can be changed: C1(3) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	16000.00 [µs]	[0] 125.00 [µs]
		[1] 125.00 [µs]
		[2] 125.00 [µs]
		[3] 4000.00 [µs]
		[4] 1000.00 [µs]
		[5] 4000.00 [µs]
		[6] 4000.00 [µs]

p0115[0] Sampling time for supplementary functions

TB30, TM15DI_DO, TM31

Can be changed: C1(3) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	16000.00 [µs]	4000.00 [µs]

p0115[0] Sampling time for supplementary functions

TM41

Can be changed: C1(3) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	16000.00 [µs]	4000.00 [µs]

r0116[0...1] Drive object clock cycle recommended

A_INF, B_INF, CU_CX32, CU_I, CU_S, S_INF, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [µs]	- [µs]	- [µs]

p0117 Current controller computing dead time mode

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	6	6

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p0118 Current controller computing dead time

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [µs]	2000.00 [µs]	0.00 [µs]

p0120 Number of Power unit Data Sets (PDS)

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: C1(3)
Data type: Unsigned8
P-Group: Data sets
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
1	8	1

p0121[0...n] Power unit component number

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: C1(4)
Data type: Unsigned8
P-Group: Data sets
Not for motor type: -

Calculated: -
Dynamic index: PDS, p0120
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	199	0

p0124[0...n] Power unit detection via LED

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: U, T
Data type: Unsigned8
P-Group: Converter
Not for motor type: -

Calculated: -
Dynamic index: PDS, p0120
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	1	0

p0124[0...15] Detection of main components using LED

CU_CX32, CU_I, CU_S

Can be changed: U, T
Data type: Unsigned8
P-Group: Converter
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	1	0

p0125[0...n] Activate/de-activate power unit components

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: C1(4), T
Data type: Integer16
P-Group: Data sets
Not for motor type: -

Calculated: -
Dynamic index: PDS, p0120
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	2	1

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r0126[0...n] Power unit components active/inactive

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Integer16 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Data sets **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	-

r0127[0...n] Power unit version EPROM data

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0128[0...n] Power unit, firmware version

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p0130 Number of Motor Data Sets (MDS)

SERVO, VECTOR

Can be changed: C1(3) **Calculated:** - **Access level:** 2
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** 8575
P-Group: Data sets **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	16	1

p0131[0...n] Motor component number

SERVO, VECTOR

Can be changed: C1(4) **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Data sets **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	199	0

p0139[0...2] Copy Motor Data Set MDS

SERVO, VECTOR

Can be changed: C2(15) **Calculated:** - **Access level:** 2
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** 8575
P-Group: Data sets **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	31	0

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p0140 Number of Encoder Data Sets (EDS)

SERVO, VECTOR

Can be changed: C1(3) **Calculated:** - **Access level:** 2
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** 8570
P-Group: Data sets **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	16	1

p0141[0...n] Encoder interface (Sensor Module) component number

SERVO, VECTOR

Can be changed: C1(4) **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** EDS **Func. diagram:** 4704, 8570
P-Group: Data sets **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	199	0

p0142[0...n] Encoder component number

SERVO, VECTOR

Can be changed: C1(4) **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** EDS **Func. diagram:** 4704
P-Group: Data sets **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	199	0

p0144[0...n] Voltage sensing module detection via LED

A_INF, S_INF

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

p0144[0...n] Sensor Module detection via LED

SERVO, VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 2
Data type: Unsigned8 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

p0145[0...n] Voltage Sensing Module, activate/de-activate

A_INF, S_INF

Can be changed: C1(4), T **Calculated:** - **Access level:** 2
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Data sets **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	2	1

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p0145[0...n] Activate/de-activate encoder interface

SERVO, VECTOR

Can be changed: C1(4), U, T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** EDS | **Func. diagram:** -
P-Group: Data sets | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	2	1

r0146[0...n] Voltage Sensing Module, active/inactive

A_INF, S_INF

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Data sets | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	-

r0146[0...n] Encoder interface active/inactive

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** EDS | **Func. diagram:** -
P-Group: Data sets | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	-

r0147[0...n] Voltage sensing module, EPROM data version

A_INF, S_INF

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Encoder | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0147[0...n] Sensor Module EPROM data version

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** EDS | **Func. diagram:** -
P-Group: Encoder | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0148[0...n] Voltage Sensing Module firmware version

A_INF, S_INF

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Encoder | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r0148[0...n] Sensor Module firmware version

SERVO, VECTOR

Can be changed: -
Data type: Unsigned32
P-Group: Encoder
Not for motor type: -

Calculated: -
Dynamic index: EDS
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p0150 Number of VSM data sets

VECTOR

Can be changed: C1(3)
Data type: Unsigned8
P-Group: Data sets
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
1	2	1

p0151[0...1] DRIVE-CLiQ Hub Module component number

HUB

Can be changed: C1(4)
Data type: Unsigned8
P-Group: Data sets
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	199	0

p0151 Terminal Module component number

TM15, TM15DI_DO, TM17, TM31, TM41, TM54F_MA, TM54F_SL

Can be changed: C1(4)
Data type: Unsigned8
P-Group: Data sets
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	199	0

p0151[0...n] Voltage Sensing Module component number

VECTOR

Can be changed: C1(4)
Data type: Unsigned8
P-Group: Data sets
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	199	0

p0154 DRIVE-CLiQ Hub Module detection via LED

HUB

Can be changed: U, T
Data type: Unsigned8
P-Group: Encoder
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	1	0

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p0154 Terminal Module detection via LED

TM15, TM15DI_DO, TM17, TM31, TM41, TM54F_MA, TM54F_SL

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned8 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

p0155[0...n] Voltage Sensing Module, activate/de-activate

VECTOR

Can be changed: C1(4), T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Data sets | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	2	1

r0156[0...n] Voltage Sensing Module, active/inactive

VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Data sets | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	-

r0157 DRIVE-CLiQ Hub Module EPROM data version

HUB

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0157 Terminal Module EPROM data version

TM15, TM15DI_DO, TM17, TM31, TM41, TM54F_MA, TM54F_SL

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0157[0...n] Voltage sensing module, EPROM data version

VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Encoder | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r0158 DRIVE-CLiQ Hub Module, firmware version

HUB

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Terminals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0158 Terminal Module Firmware Version

TM15, TM15DI_DO, TM17, TM31, TM41, TM54F_MA, TM54F_SL

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Terminals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0158[0...n] Voltage Sensing Module firmware version

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p0161 Option board, component number

TB30

Can be changed: C1(4) **Calculated:** - **Access level:** 4
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** 9100
P-Group: Data sets **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	199	0

p0162 CU-Link slave component number

CU_LINK

Can be changed: C1(4) **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: Terminals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	199	0

p0170 Number of Command Data Sets (CDS)

A_INF, B_INF, S_INF, TM41

Can be changed: C1(3) **Calculated:** - **Access level:** 2
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	1	1

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p0170 **Number of Command Data Sets (CDS)**

SERVO

Can be changed: C1(3) **Calculated:** - **Access level:** 2
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	2	1

p0170 **Number of Command Data Sets (CDS)**

VECTOR

Can be changed: C1(3) **Calculated:** - **Access level:** 2
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
2	4	2

p0180 **Number of Drive Data Sets (DDS)**

SERVO, TM41, VECTOR

Can be changed: C1(3) **Calculated:** - **Access level:** 2
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** 8565
P-Group: Data sets **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	32	1

p0186[0...n] **Motor Data Sets (MDS) number**

SERVO, VECTOR

Can be changed: C1(4) **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** DDS, p0180 **Func. diagram:** 8575
P-Group: Data sets **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	15	0

p0187[0...n] **Encoder 1 encoder data set number**

SERVO, VECTOR

Can be changed: C1(4) **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** DDS, p0180 **Func. diagram:** 1580, 8570
P-Group: Data sets **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	99	99

p0188[0...n] **Encoder 2 encoder data set number**

SERVO, VECTOR

Can be changed: C1(4) **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** DDS, p0180 **Func. diagram:** 1580, 8570
P-Group: Data sets **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	99	99

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p0189[0...n] Encoder 3 encoder data set number

SERVO, VECTOR

Can be changed: C1(4) **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** DDS, p0180 **Func. diagram:** 1580, 8570
P-Group: Data sets **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	99	99

r0192 Power unit firmware properties

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0194[0...n] VSM properties

A_INF, S_INF, VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0196[0...254] DRIVE-CLiQ component status

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0197 Loader 1 version

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0198 Loader 2 version

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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p0199[0...24] Drive object name

All objects

Can be changed: C1 | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	65535	0

r0200[0...n] Power unit current code number

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** PDS, p0120 | **Func. diagram:** -
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p0201[0...n] Power unit code number

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: C2(2) | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** PDS, p0120 | **Func. diagram:** -
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	65535	0

r0203[0...n] Current power unit type

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** PDS, p0120 | **Func. diagram:** -
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
2	350	-

r0203[0...15] Memory card name

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: Unsigned8 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0204[0...n] Power unit hardware properties

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** PDS, p0120 | **Func. diagram:** -
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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p0205 Power unit application

VECTOR

Can be changed: C2(1) **Calculated:** - **Access level:** 2
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	7	6

r0206[0...4] Rated power unit power

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Converter **Units group:** 14_6 **Unit selection:** p0100
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [kW]	- [kW]	- [kW]

r0207[0...4] Rated power unit current

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8014
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r0208 Rated power unit line supply voltage

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

r0209[0...4] Power unit, maximum current

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8750, 8850, 8950
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

p0210 Drive unit line supply voltage

A_INF, S_INF

Can be changed: C2(1) **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8860, 8960
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
100 [Vrms]	1000 [Vrms]	400 [Vrms]

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p0210 **Drive unit line supply voltage**

B_INF

Can be changed: C2(1) **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8760
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
200 [Vrms]	1000 [Vrms]	400 [Vrms]

p0210 **Drive unit line supply voltage**

SERVO, VECTOR

Can be changed: C2(2), T **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 6220, 6320
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1 [V]	63000 [V]	600 [V]

p0211 **Rated line freq**

A_INF, S_INF

Can be changed: T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8864, 8964
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
10 [Hz]	100 [Hz]	50 [Hz]

p0211 **Rated line freq**

A_INF, S_INF

Can be changed: T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8864, 8964
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
10 [Hz]	100 [Hz]	55 [Hz]

p0220[0...1] **Infeed line filter type**

A_INF

Can be changed: C2(1) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** 8950
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	45	0

p0221[0...1] **Infeed filter capacitance**

A_INF

Can be changed: C2(1) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8950
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [µF]	100000.00 [µF]	0.00 [µF]

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p0222[0...1] Infeed filter resistance

A_INF

Can be changed: C2(1) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00000 [Ohm]	100.00000 [Ohm]	0.00000 [Ohm]

p0223 Infeed inductance between filter and power unit

A_INF, S_INF

Can be changed: C2(1) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8850, 8950
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.001 [mH]	1000.000 [mH]	2.100 [mH]

p0224 Infeed resistance between filter and power unit

A_INF, S_INF

Can be changed: C2(1) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8850, 8950
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00000 [Ohm]	100.00000 [Ohm]	0.00100 [Ohm]

p0225 Infeed inductance between line supply and filter

A_INF, S_INF

Can be changed: C2(1) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8850, 8950
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.001 [mH]	1000.000 [mH]	0.001 [mH]

p0226 Infeed resistance between line supply and filter

A_INF, S_INF

Can be changed: C2(1) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8850, 8950
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [Ohm]	100.00 [Ohm]	0.00 [Ohm]

p0227 Infeed, DC link capacitance, power unit

A_INF, S_INF

Can be changed: C2(1) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8850, 8950
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.20 [mF]	1000.00 [mF]	1.00 [mF]

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p0230 Drive filter type, motor side

VECTOR

Can be changed: C2(1, 2) **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	4	0

p0233 Power unit motor reactor

VECTOR

Can be changed: C2(2), U, T **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.000 [mH]	1000.000 [mH]	0.000 [mH]

p0234 Power unit sine-wave filter capacitance

VECTOR

Can be changed: C2(2), U, T **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.000 [µF]	1000.000 [µF]	0.000 [µF]

p0235 Number of reactors connected in series

VECTOR

Can be changed: C2(1, 2) **Calculated:** - **Access level:** 1
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	3	1

p0249 Power unit cooling type

S_INF, SERVO, VECTOR

Can be changed: C2(1, 2) **Calculated:** - **Access level:** 4
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

p0251[0...n] Operating hours counter power unit fan

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Modulation **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0 [h]	4294967295 [h]	0 [h]

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p0252 Maximum operating time power unit fan

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 4
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Modulation | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [h]	50000 [h]	40000 [h]

p0260 Cooling system, starting time 1

A_INF (Cooling system), B_INF (Cooling system), S_INF (Cooling system), SERVO (Cooling system), VECTOR (Cooling system)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9795
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [s]	60.0 [s]	5.0 [s]

p0261 Cooling system, starting time 2

A_INF (Cooling system), B_INF (Cooling system), S_INF (Cooling system), SERVO (Cooling system), VECTOR (Cooling system)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9795
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [s]	1200.0 [s]	180.0 [s]

p0262 Cooling system, fault conductivity delay time

A_INF (Cooling system), B_INF (Cooling system), S_INF (Cooling system), SERVO (Cooling system), VECTOR (Cooling system)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9795
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [s]	30.0 [s]	0.0 [s]

p0263 Cooling system fault liquid flow, delay time

A_INF (Cooling system), B_INF (Cooling system), S_INF (Cooling system), SERVO (Cooling system), VECTOR (Cooling system)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9795
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [s]	20.0 [s]	3.0 [s]

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p0264 Cooling system, run-on time

A_INF (Cooling system), B_INF (Cooling system), S_INF (Cooling system), SERVO (Cooling system), VECTOR (Cooling system)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Converter
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: 9795
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.0 [s]	180.0 [s]	30.0 [s]

r0265.0...3 BO: Cooling system, control word

A_INF (Cooling system), B_INF (Cooling system), S_INF (Cooling system), SERVO (Cooling system), VECTOR (Cooling system)

Can be changed: -
Data type: Unsigned8
P-Group: Commands
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p0266[0...7] BI: Cooling system, feedback signals, signal source

A_INF (Cooling system), B_INF (Cooling system), S_INF (Cooling system), SERVO (Cooling system), VECTOR (Cooling system)

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: Communications
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	1

r0267.0...7 BO: Cooling system status word

A_INF (Cooling system), B_INF (Cooling system), S_INF (Cooling system), SERVO (Cooling system), VECTOR (Cooling system)

Can be changed: -
Data type: Unsigned16
P-Group: Commands
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p0278 DC link voltage undervoltage threshold reduction

SERVO, VECTOR

Can be changed: T
Data type: FloatingPoint32
P-Group: Converter
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-80 [V]	0 [V]	0 [V]

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p0279 DC link voltage offset alarm threshold

A_INF, B_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8760, 8864, 8964
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [V]	500 [V]	0 [V]

p0280 DC link voltage maximum steady-state

A_INF

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8940, 8964
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
270 [V]	1500 [V]	660 [V]

p0281 Line supply overvoltage, alarm threshold

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8860, 8960
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
100 [%]	200 [%]	110 [%]

p0282 Line supply undervoltage, alarm threshold

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8860, 8960
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
10 [%]	100 [%]	85 [%]

p0283 Line supply undervoltage, shutdown (trip) threshold

A_INF, S_INF

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8860, 8960
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
10 [%]	100 [%]	75 [%]

p0284 Line supply frequency exceeded, alarm threshold

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8864, 8964
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
100.0 [%]	300.0 [%]	110.0 [%]

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p0284 Line supply frequency exceeded, alarm threshold

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8864, 8964
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
100 [%]	300 [%]	118 [%]

p0285 Line supply frequency undershot, alarm threshold

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8864, 8964
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	100.0 [%]	90.0 [%]

p0285 Line supply frequency undershot, alarm threshold

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8864, 8964
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [%]	100 [%]	82 [%]

p0287[0...1] Ground fault monitoring thresholds

A_INF, S_INF, SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	100.0 [%]	[0] 6.0 [%] [1] 16.0 [%]

r0289 Maximum power unit output current

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

p0290 Power unit overload response

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 8014
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	3	0

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r0293 CO: Power unit alarm threshold model temperature

SERVO, VECTOR

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Converter
Units group: 21_1
Unit selection: p0505
Not for motor type: -
Scaling: TEMP
Expert list: 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

p0294 Power unit alarm with I2t overload

A_INF, S_INF, SERVO, VECTOR

Can be changed: U, T
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 8014
P-Group: Converter
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
10.0 [%]	100.0 [%]	95.0 [%]

p0294 Power unit alarm with I2t overload

B_INF

Can be changed: U, T
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 8014
P-Group: Converter
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
10.0 [%]	100.0 [%]	95.0 [%]

p0295 Fan run-on time

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: U, T
Calculated: -
Access level: 1
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Converter
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0 [s]	600 [s]	0 [s]

r0296 DC link voltage undervoltage threshold

A_INF, B_INF, S_INF

Can be changed: -
Calculated: -
Access level: 2
Data type: Unsigned16
Dynamic index: -
Func. diagram: 8750, 8760, 8850, 8864, 8950, 8964
P-Group: Converter
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

r0296 DC link voltage undervoltage threshold

SERVO, VECTOR

Can be changed: -
Calculated: -
Access level: 2
Data type: Unsigned16
Dynamic index: -
Func. diagram: -
P-Group: Converter
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

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r0297 DC link voltage overvoltage threshold

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 8750, 8760, 8850, 8864, 8950, 8964
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

p0300[0...n] Motor type selection

SERVO

Can be changed: C2(1, 3) **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** MDS, p0130 **Func. diagram:** 6310
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	10001	0

p0300[0...n] Motor type selection

VECTOR

Can be changed: C2(1, 3) **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** MDS, p0130 **Func. diagram:** 6310
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	10001	0

p0301[0...n] Motor code number selection

SERVO

Can be changed: C2(1, 3), U **Calculated:** - **Access level:** 1
Data type: Unsigned16 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	65535	0

p0301[0...n] Motor code number selection

SERVO (Lin)

Can be changed: C2(1, 3), U **Calculated:** - **Access level:** 1
Data type: Unsigned16 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	65535	0

p0301[0...n] Motor code number selection

VECTOR

Can be changed: C2(1, 3), U **Calculated:** - **Access level:** 1
Data type: Unsigned16 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	65535	0

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r0302[0...n] Motor code number of motor with DRIVE-CLiQ

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0303[0...n] Motor status word from motor with DRIVE-CLiQ

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p0304[0...n] Rated motor voltage

SERVO, VECTOR

Can be changed: C2(1, 3) **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** 6300, 6724
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0 [Vrms]	20000 [Vrms]	0 [Vrms]

p0305[0...n] Rated motor current

SERVO

Can be changed: C2(1, 3) **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** 6300
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [Arms]	10000.00 [Arms]	0.00 [Arms]

p0305[0...n] Rated motor current

VECTOR

Can be changed: C2(1, 3) **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** 6300
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [Arms]	10000.00 [Arms]	0.00 [Arms]

p0306[0...n] Number of motors connected in parallel

SERVO

Can be changed: C2(1, 3) **Calculated:** - **Access level:** 1
Data type: Unsigned8 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	10	1

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p0306[0...n] Number of motors connected in parallel

VECTOR

Can be changed: C2(1, 3) **Calculated:** - **Access level:** 1
Data type: Unsigned8 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	50	1

p0307[0...n] Rated motor power

SERVO

Can be changed: C2(1, 3) **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** 14_6 **Unit selection:** p0100
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [kW]	100000.00 [kW]	0.00 [kW]

p0307[0...n] Rated motor power

VECTOR

Can be changed: C2(1, 3) **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** 14_6 **Unit selection:** p0100
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-100000.00 [kW]	100000.00 [kW]	0.00 [kW]

p0308[0...n] Rated motor power factor

SERVO, VECTOR

Can be changed: C2(1, 3) **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: PEM, REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.000	1.000	0.000

p0309[0...n] Rated motor efficiency

VECTOR

Can be changed: C2(1, 3) **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: PEM, REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	99.9 [%]	0.0 [%]

p0310[0...n] Rated motor frequency

SERVO

Can be changed: C2(1, 3) **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [Hz]	3000.00 [Hz]	0.00 [Hz]

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p0310[0...n] Rated motor frequency

VECTOR

Can be changed: C2(1, 3) **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** 6300
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [Hz]	3000.00 [Hz]	0.00 [Hz]

p0311[0...n] Rated motor speed

SERVO, VECTOR

Can be changed: C2(1, 3) **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.0 [rpm]	210000.0 [rpm]	0.0 [rpm]

p0311[0...n] Rated motor velocity

SERVO (Lin)

Can be changed: C2(1, 3) **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.0 [m/min]	6000.0 [m/min]	0.0 [m/min]

p0312[0...n] Rated motor torque

SERVO

Can be changed: C2(3) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** 7_4 **Unit selection:** p0100
Not for motor type: ASM, REL, FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [Nm]	1000000.00 [Nm]	0.00 [Nm]

p0312[0...n] Rated motor force

SERVO (Lin)

Can be changed: C2(3) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** 8_4 **Unit selection:** p0100
Not for motor type: ASM, REL, FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [N]	1000000.00 [N]	0.00 [N]

r0313[0...n] Motor pole pair number, current (or calculated)

SERVO

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned8 **Dynamic index:** MDS, p0130 **Func. diagram:** 5300
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r0313[0...n] Motor pole pair number, current (or calculated)

VECTOR

Can be changed: -
Data type: Unsigned8
P-Group: Motor
Not for motor type: -

Calculated: -
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 2
Func. diagram: 1690
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p0314[0...n] Motor pole pair number

SERVO

Can be changed: C2(1, 3)
Data type: Unsigned8
P-Group: Motor
Not for motor type: -

Calculated: -
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 1
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	255	0

p0314[0...n] Motor pole pair number

VECTOR

Can be changed: C2(1, 3)
Data type: Unsigned8
P-Group: Motor
Not for motor type: -

Calculated: -
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	255	0

p0315[0...n] Motor pole pair width

SERVO (Lin)

Can be changed: C2(1, 3)
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: -

Calculated: -
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
1.00 [mm]	1000.00 [mm]	30.00 [mm]

p0316[0...n] Motor torque constant

SERVO

Can be changed: C2(1, 3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: ASM, REL, FEM

Calculated: -
Dynamic index: MDS, p0130
Units group: 28_1
Scaling: -

Access level: 1
Func. diagram: -
Unit selection: p0100
Expert list: 1

Min	Max	Factory setting
0.00 [Nm/A]	100.00 [Nm/A]	0.00 [Nm/A]

p0316[0...n] Motor force constant

SERVO (Lin)

Can be changed: C2(1, 3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: ASM, REL, FEM

Calculated: -
Dynamic index: MDS, p0130
Units group: 29_1
Scaling: -

Access level: 1
Func. diagram: -
Unit selection: p0100
Expert list: 1

Min	Max	Factory setting
0.00 [N/Arms]	1000.00 [N/Arms]	0.00 [N/Arms]

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p0316[0...n] Motor torque constant

VECTOR

Can be changed: C2(1, 3), U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: 6721
P-Group: Motor
Units group: 28_1
Unit selection: p0100
Not for motor type: ASM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [Nm/A]	100.00 [Nm/A]	0.00 [Nm/A]

p0317[0...n] Motor voltage constant

SERVO

Can be changed: C2(3)
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: ASM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.0 [Vrms]	10000.0 [Vrms]	0.0 [Vrms]

p0317[0...n] Motor voltage constant

SERVO (Lin)

Can be changed: C2(3)
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: ASM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.0 [Vrms s/m]	1000.0 [Vrms s/m]	0.0 [Vrms s/m]

p0318[0...n] Motor stall current

SERVO

Can be changed: C2(3)
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: 8017
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: ASM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [Arms]	10000.00 [Arms]	0.00 [Arms]

p0318[0...n] Motor stall current

VECTOR

Can be changed: C2(3)
Calculated: -
Access level: 4
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: 8017
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: ASM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [Arms]	10000.00 [Arms]	0.00 [Arms]

p0319[0...n] Motor stall torque

SERVO

Can be changed: C2(3)
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: 7_4
Unit selection: p0100
Not for motor type: ASM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [Nm]	100000.00 [Nm]	0.00 [Nm]

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p0319[0...n] Motor stall force

SERVO (Lin)

Can be changed: C2(3) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** 8_4 | **Unit selection:** p0100
Not for motor type: ASM, REL, FEM | **Scaling:** -

Min	Max	Factory setting
0.00 [N]	100000.00 [N]	0.00 [N]

p0320[0...n] Motor rated magnetizing current/short-circuit current

SERVO, VECTOR

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 5722
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [Arms]	5000.000 [Arms]	0.000 [Arms]

p0322[0...n] Maximum motor speed

SERVO

Can be changed: C2(1, 3) | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [rpm]	210000.0 [rpm]	0.0 [rpm]

p0322[0...n] Motor maximum velocity

SERVO (Lin)

Can be changed: C2(1, 3) | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [m/min]	1000.0 [m/min]	0.0 [m/min]

p0322[0...n] Maximum motor speed

VECTOR

Can be changed: C2(1, 3) | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [rpm]	210000.0 [rpm]	0.0 [rpm]

p0323[0...n] Maximum motor current

SERVO

Can be changed: C2(1, 3) | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 5722
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [Arms]	20000.00 [Arms]	0.00 [Arms]

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p0323[0...n] Maximum motor current

VECTOR

Can be changed: C2(1, 3) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** 5722
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: ASM, FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [Arms]	20000.00 [Arms]	0.00 [Arms]

p0325[0...n] Motor pole position identification current, 1st phase

SERVO, VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: ASM, REL, FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.000 [Arms]	10000.000 [Arms]	0.000 [Arms]

p0326[0...n] Motor stall torque correction factor

SERVO

Can be changed: C2(3), U, T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: REL, FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
5 [%]	300 [%]	60 [%]

p0326[0...n] Motor stall force correction factor

SERVO (Lin)

Can be changed: C2(3), U, T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: REL, FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
5 [%]	300 [%]	60 [%]

p0327[0...n] Optimum motor load angle

SERVO, VECTOR

Can be changed: C2(3), U, T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** 5722, 6721
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: ASM, REL, FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.0 [°]	135.0 [°]	90.0 [°]

p0328[0...n] Motor reluctance torque constant

SERVO, VECTOR

Can be changed: C2(3), U, T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** 6721
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: ASM, REL, FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-1000.00 [mH]	1000.00 [mH]	0.00 [mH]

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p0328[0...n] Motor reluctance force constant

SERVO (Lin)

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 6721
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000.00 [mH]	1000.00 [mH]	0.00 [mH]

p0329[0...n] Motor pole position identification current

SERVO, VECTOR

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [Arms]	10000.00 [Arms]	0.00 [Arms]

r0330[0...n] Rated motor slip

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [Hz]	- [Hz]	- [Hz]

r0331[0...n] Current motor magnetizing current/short-circuit current

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 5722, 6722, 6724
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r0332[0...n] Rated motor power factor

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0333[0...n] Rated motor torque

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** 7_4 | **Unit selection:** p0100
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

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r0333[0...n] Rated motor force

SERVO (Lin)

Can be changed: -
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: -

Calculated: -
Dynamic index: MDS, p0130
Units group: 8_4
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: p0100
Expert list: 1

Min	Max	Factory setting
- [N]	- [N]	- [N]

r0334[0...n] Current motor-torque constant

SERVO, VECTOR

Can be changed: -
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: ASM, REL, FEM

Calculated: -
Dynamic index: MDS, p0130
Units group: 28_1
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: p0100
Expert list: 1

Min	Max	Factory setting
- [Nm/A]	- [Nm/A]	- [Nm/A]

r0334[0...n] Current motor force constant

SERVO (Lin)

Can be changed: -
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: ASM, REL, FEM

Calculated: -
Dynamic index: MDS, p0130
Units group: 29_1
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: p0100
Expert list: 1

Min	Max	Factory setting
- [N/Arms]	- [N/Arms]	- [N/Arms]

p0335[0...n] Motor cooling type

SERVO, VECTOR

Can be changed: C2(1, 3), T
Data type: Integer16
P-Group: Motor
Not for motor type: PEM, REL, FEM

Calculated: -
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 1
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	128	0

r0336[0...n] Current rated motor frequency

SERVO, VECTOR

Can be changed: -
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: -

Calculated: -
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
- [Hz]	- [Hz]	- [Hz]

r0337[0...n] Rated motor EMF

SERVO, VECTOR

Can be changed: -
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: REL

Calculated: -
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

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r0337[0...n] Rated motor EMF

SERVO (Lin)

Can be changed: -
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: REL

Calculated: -
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
- [Vrms s/m]	- [Vrms s/m]	- [Vrms s/m]

p0338[0...n] Motor limit current

SERVO

Can be changed: C2(1, 3)
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: ASM, REL, FEM

Calculated: -
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [Arms]	10000.00 [Arms]	0.00 [Arms]

r0339[0...n] Rated motor voltage

SERVO, VECTOR

Can be changed: -
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: REL

Calculated: -
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

p0340 Automatic calculation, control parameters

A_INF, S_INF

Can be changed: T
Data type: Integer16
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	2	0

p0340[0...n] Automatic calculation, motor/control parameters

SERVO, VECTOR

Can be changed: C2(3), T
Data type: Integer16
P-Group: Motor
Not for motor type: -

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	5	0

p0341[0...n] Motor moment of inertia

SERVO, VECTOR

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: REL

Calculated: CALC_MOD_ALL
Dynamic index: MDS, p0130
Units group: 25_1
Scaling: -

Access level: 3
Func. diagram: 1700, 5042, 5210, 6030, 6031
Unit selection: p0100
Expert list: 1

Min	Max	Factory setting
0.000000 [kgm²]	100000.000000 [kgm²]	0.000000 [kgm²]

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p0341[0...n] Motor weight

SERVO (Lin)

Can be changed: C2(3), U, T
Calculated: CALC_MOD_ALL
Access level: 3
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: 5042, 5210
P-Group: Motor
Units group: 27_1
Unit selection: p0100
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.000000 [kg]	10000.000000 [kg]	0.000000 [kg]

p0342[0...n] Ratio between the total and motor moment of inertia

SERVO, VECTOR

Can be changed: C2(3), U, T
Calculated: CALC_MOD_ALL
Access level: 3
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: 1700, 5042, 5210, 6030, 6031
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
1.000	10000.000	1.000

p0342[0...n] Ratio between the total and motor force of inertia

SERVO (Lin)

Can be changed: C2(3), U, T
Calculated: CALC_MOD_ALL
Access level: 3
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: 5042, 5210
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
1.000	10000.000	1.000

p0344[0...n] Motor weight (for the thermal motor model)

SERVO, VECTOR

Can be changed: C2(3), T
Calculated: CALC_MOD_ALL
Access level: 3
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: 27_1
Unit selection: p0100
Not for motor type: PEM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.0 [kg]	50000.0 [kg]	0.0 [kg]

r0345[0...n] Nominal motor starting time

VECTOR

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
- [s]	- [s]	- [s]

p0346[0...n] Motor excitation build-up time

VECTOR

Can be changed: C2(3), U, T
Calculated: CALC_MOD_REG
Access level: 3
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: 6721, 6722, 6725
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.000 [s]	20.000 [s]	0.000 [s]

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p0347[0...n] Motor de-excitation time

SERVO

Can be changed: C2(3), U, T | **Calculated:** CALC_MOD_REG | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	20.000 [s]	0.000 [s]

p0347[0...n] Motor de-excitation time

VECTOR

Can be changed: C2(3), U, T | **Calculated:** CALC_MOD_REG | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	20.000 [s]	0.000 [s]

p0348[0...n] Speed at the start of field weakening Vdc = 600 V

SERVO

Can be changed: C2(3), U, T | **Calculated:** CALC_MOD_REG | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 5722
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [rpm]	210000.0 [rpm]	0.0 [rpm]

p0348[0...n] Velocity at the start of field weakening Vdc = 600 V

SERVO (Lin)

Can be changed: C2(3), U, T | **Calculated:** CALC_MOD_REG | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 5722
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [m/min]	1000.0 [m/min]	0.0 [m/min]

p0349 System of units, motor equivalent circuit diagram data

SERVO, VECTOR

Can be changed: C2(3) | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	2	1

p0350[0...n] Motor stator resistance, cold

SERVO, VECTOR

Can be changed: C2(3), U, T | **Calculated:** CALC_MOD_EQU | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** 16_1 | **Unit selection:** p0349
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00000 [Ohm]	2000.00000 [Ohm]	0.00000 [Ohm]

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p0352[0...n] Cable resistance

SERVO

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: -

Calculated: -
Dynamic index: MDS, p0130
Units group: 16_1
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: p0349
Expert list: 1

Min	Max	Factory setting
0.00000 [Ohm]	120.00000 [Ohm]	0.00000 [Ohm]

p0352[0...n] Cable resistance

VECTOR

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: -

Calculated: -
Dynamic index: MDS, p0130
Units group: 16_1
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: p0349
Expert list: 1

Min	Max	Factory setting
0.00000 [Ohm]	120.00000 [Ohm]	0.00000 [Ohm]

p0353[0...n] Motor series inductance

SERVO

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: -

Calculated: -
Dynamic index: MDS, p0130
Units group: 15_1
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: p0349
Expert list: 1

Min	Max	Factory setting
0.000 [mH]	1000000.000 [mH]	0.000 [mH]

p0353[0...n] Motor series inductance

VECTOR

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: -

Calculated: -
Dynamic index: MDS, p0130
Units group: 15_1
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: p0349
Expert list: 1

Min	Max	Factory setting
0.000 [mH]	1000000.000 [mH]	0.000 [mH]

p0354[0...n] Motor rotor resistance cold / damping resistance d axis

SERVO

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: PEM, REL

Calculated: CALC_MOD_EQU
Dynamic index: MDS, p0130
Units group: 16_1
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: p0349
Expert list: 1

Min	Max	Factory setting
0.00000 [Ohm]	300.00000 [Ohm]	0.00000 [Ohm]

p0354[0...n] Motor rotor resistance cold / damping resistance d axis

VECTOR

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: PEM, REL

Calculated: CALC_MOD_EQU
Dynamic index: MDS, p0130
Units group: 16_1
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: p0349
Expert list: 1

Min	Max	Factory setting
0.00000 [Ohm]	300.00000 [Ohm]	0.00000 [Ohm]

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p0355[0...n] Motor damping resistance, q axis

VECTOR

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: ASM, PEM, REL

Calculated: CALC_MOD_EQU
Dynamic index: MDS, p0130
Units group: 16_1
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: p0349
Expert list: 1

Min	Max	Factory setting
0.00000 [Ohm]	300.00000 [Ohm]	0.00000 [Ohm]

p0356[0...n] Motor stator leakage inductance

SERVO

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: -

Calculated: CALC_MOD_EQU
Dynamic index: MDS, p0130
Units group: 15_1
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: p0349
Expert list: 1

Min	Max	Factory setting
0.00000 [mH]	1000.00000 [mH]	0.00000 [mH]

p0356[0...n] Motor stator leakage inductance

VECTOR

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: -

Calculated: CALC_MOD_EQU
Dynamic index: MDS, p0130
Units group: 15_1
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: p0349
Expert list: 1

Min	Max	Factory setting
0.00000 [mH]	1000.00000 [mH]	0.00000 [mH]

p0357[0...n] Motor stator inductance, d axis

VECTOR

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: ASM, REL, FEM

Calculated: CALC_MOD_EQU
Dynamic index: MDS, p0130
Units group: 15_1
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: p0349
Expert list: 1

Min	Max	Factory setting
0.00000 [mH]	1000.00000 [mH]	0.00000 [mH]

p0358[0...n] Motor rotor leakage inductance / damping inductance, d axis

SERVO, VECTOR

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: PEM, REL

Calculated: CALC_MOD_EQU
Dynamic index: MDS, p0130
Units group: 15_1
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: p0349
Expert list: 1

Min	Max	Factory setting
0.00000 [mH]	1000.00000 [mH]	0.00000 [mH]

p0359[0...n] Motor damping inductance, q axis

VECTOR

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: ASM, PEM, REL

Calculated: CALC_MOD_EQU
Dynamic index: MDS, p0130
Units group: 15_1
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: p0349
Expert list: 1

Min	Max	Factory setting
0.00000 [mH]	1000.00000 [mH]	0.00000 [mH]

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p0360[0...n] Motor magnetizing inductance/magn. inductance, d axis saturated

SERVO, VECTOR

Can be changed: C2(3), U, T
Calculated: CALC_MOD_EQU
Access level: 3
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: 15_1
Unit selection: p0349
Not for motor type: PEM, REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00000 [mH]	10000.00000 [mH]	0.00000 [mH]

p0361[0...n] Motor magnetizing inductance q axis, saturated

VECTOR

Can be changed: C2(3), U, T
Calculated: CALC_MOD_EQU
Access level: 3
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: 15_1
Unit selection: p0349
Not for motor type: ASM, PEM, REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00000 [mH]	10000.00000 [mH]	0.00000 [mH]

p0362[0...n] Saturation characteristic flux 1

VECTOR

Can be changed: C2(3), U, T
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: PEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
10.0 [%]	300.0 [%]	60.0 [%]

p0363[0...n] Saturation characteristic flux 2

VECTOR

Can be changed: C2(3), U, T
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: PEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
10.0 [%]	300.0 [%]	85.0 [%]

p0364[0...n] Saturation characteristic flux 3

VECTOR

Can be changed: C2(3), U, T
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: PEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
10.0 [%]	300.0 [%]	115.0 [%]

p0365[0...n] Saturation characteristic flux 4

VECTOR

Can be changed: C2(3), U, T
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: PEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
10.0 [%]	300.0 [%]	125.0 [%]

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p0366[0...n] Saturation characteristic I_mag 1

VECTOR

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: PEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
5.0 [%]	800.0 [%]	50.0 [%]

p0367[0...n] Saturation characteristic I_mag 2

VECTOR

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: PEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
5.0 [%]	800.0 [%]	75.0 [%]

p0368[0...n] Saturation characteristic I_mag 3

VECTOR

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: PEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
5.0 [%]	800.0 [%]	150.0 [%]

p0369[0...n] Saturation characteristic I_mag 4

VECTOR

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: PEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
5.0 [%]	800.0 [%]	210.0 [%]

r0370[0...n] Motor stator resistance, cold

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** 16_1 | **Unit selection:** p0349
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [Ohm]	- [Ohm]	- [Ohm]

r0372[0...n] Cable resistance

VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** 16_1 | **Unit selection:** p0349
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [Ohm]	- [Ohm]	- [Ohm]

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r0373[0...n] Motor rated stator resistance

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** 16_1 **Unit selection:** p0349
Not for motor type: PEM, REL, FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Ohm]	- [Ohm]	- [Ohm]

r0374[0...n] Motor rotor resistance cold / damping resistance d axis

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** 16_1 **Unit selection:** p0349
Not for motor type: PEM, REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Ohm]	- [Ohm]	- [Ohm]

r0375[0...n] Motor damping resistance, q axis

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** 16_1 **Unit selection:** p0349
Not for motor type: ASM, PEM, REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Ohm]	- [Ohm]	- [Ohm]

r0376[0...n] Rated motor rotor resistance

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** 16_1 **Unit selection:** p0349
Not for motor type: PEM, REL, FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Ohm]	- [Ohm]	- [Ohm]

r0377[0...n] Motor leakage inductance, total

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** 6640, 6714, 6721
P-Group: Motor **Units group:** 15_1 **Unit selection:** p0349
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

r0378[0...n] Motor stator inductance, d axis

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** 6640, 6714, 6721
P-Group: Motor **Units group:** 15_1 **Unit selection:** p0349
Not for motor type: ASM, REL, FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

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r0380[0...n] Motor damping inductance, d axis

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** 15_1 **Unit selection:** p0349
Not for motor type: ASM, PEM, REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

r0381[0...n] Motor damping inductance, q axis

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** 15_1 **Unit selection:** p0349
Not for motor type: ASM, PEM, REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

r0382[0...n] Motor magnetizing inductance transformed / Lh d axis saturated

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** 5722
P-Group: Motor **Units group:** 15_1 **Unit selection:** p0349
Not for motor type: PEM, REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

r0383[0...n] Motor magnetizing inductance q axis, saturated

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** 15_1 **Unit selection:** p0349
Not for motor type: ASM, PEM, REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

r0384[0...n] Motor rotor time constant / damping time constant d axis

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** 6722
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: PEM, REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [ms]	- [ms]	- [ms]

r0385[0...n] Motor damping time constant, q axis

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: ASM, PEM, REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [ms]	- [ms]	- [ms]

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r0386[0...n] Motor stator leakage time constant

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [ms]	- [ms]	- [ms]

r0387[0...n] Motor stator leakage time constant, q axis

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: ASM, REL, FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [ms]	- [ms]	- [ms]

p0389[0...n] Excitation rated no-load current

VECTOR

Can be changed: C2(1, 3) **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** 6727
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: ASM, PEM, REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [A]	10000.00 [A]	0.00 [A]

p0390[0...n] Rated excitation current

VECTOR

Can be changed: C2(1, 3) **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** 6727
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: ASM, PEM, REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [A]	10000.00 [A]	0.00 [A]

p0391[0...n] Current controller adaptation, starting point KP

SERVO

Can be changed: C2(3), U, T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** 5714
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [Arms]	6000.00 [Arms]	0.00 [Arms]

p0391[0...n] Current controller adaptation, starting point KP

VECTOR

Can be changed: C2(3), U, T **Calculated:** CALC_MOD_REG **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** 6714
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [Arms]	6000.00 [Arms]	0.00 [Arms]

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p0392[0...n] Current controller adaptation, starting point KP adapted

SERVO

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: REL

Calculated: -
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 3
Func. diagram: 5714
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [Arms]	6000.00 [Arms]	0.00 [Arms]

p0392[0...n] Current controller adaptation, starting point KP adapted

VECTOR

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: REL

Calculated: CALC_MOD_REG
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 3
Func. diagram: 6714
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [Arms]	6000.00 [Arms]	0.00 [Arms]

p0393[0...n] Current controller adaptation p gain adaptation

SERVO

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: REL

Calculated: -
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 3
Func. diagram: 5714
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [%]	1000.00 [%]	100.00 [%]

p0393[0...n] Current controller adaptation P gain scaling

VECTOR

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: REL

Calculated: CALC_MOD_REG
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 3
Func. diagram: 6714
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [%]	1000.00 [%]	100.00 [%]

r0395[0...n] Current stator resistance

SERVO, VECTOR

Can be changed: -
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: -

Calculated: -
Dynamic index: MDS, p0130
Units group: 16_1
Scaling: -

Access level: 3
Func. diagram: 6300, 6730, 6731, 6732
Unit selection: p0349
Expert list: 1

Min	Max	Factory setting
- [Ohm]	- [Ohm]	- [Ohm]

r0396[0...n] Current rotor resistance

SERVO, VECTOR

Can be changed: -
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: PEM, REL, FEM

Calculated: -
Dynamic index: MDS, p0130
Units group: 16_1
Scaling: -

Access level: 3
Func. diagram: 6730
Unit selection: p0349
Expert list: 1

Min	Max	Factory setting
- [Ohm]	- [Ohm]	- [Ohm]

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p0400[0...n] Encoder type selection

SERVO, VECTOR

Can be changed: C2(1, 4) **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** EDS **Func. diagram:** 1580, 4704
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	10100	0

p0401[0...n] Encoder type, OEM selection

SERVO, VECTOR

Can be changed: C2(1, 4) **Calculated:** - **Access level:** 2
Data type: Integer16 **Dynamic index:** EDS **Func. diagram:** 1580, 4704
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	32767	0

p0402[0...n] Gearbox type selection

SERVO, VECTOR

Can be changed: C2(1, 4) **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	10100	9999

p0404[0...n] Encoder configuration effective

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** 4010, 4704
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p0405[0...n] Square-wave encoder track A/B

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** 4704
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	1111 bin

p0407[0...n] Linear encoder grid division

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** 4010, 4704
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0 [nm]	250000000 [nm]	16000 [nm]

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p0408[0...n] Rotary encoder pulse No.

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** 4010, 4704
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	16777215	2048

p0408 Rotary encoder pulse No.

TM41

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 9674, 9676
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1000	16384	2048

p0410[0...n] Encoder inversion actual value

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p0410[0...n] Encoder inversion actual value

SERVO (Lin)

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p0411[0...n] Measuring gear, configuration

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p0412[0...n] Measuring gear, rotary absolute gearbox, revolutions, virtual

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	4194303	0

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p0413[0...n] Measuring gear, position tracking tolerance window

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00	4294967300.00	0.00

p0414[0...n] Redundant coarse position value relevant bits (identified)

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	16	16

p0415[0...n] Gx_XIST1 Coarse position safe most significant bit (identified)

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	31	14

p0418[0...n] Fine resolution Gx_XIST1 (in bits)

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** EDS **Func. diagram:** 4010, 4704
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
2	18	11

p0418 Fine resolution Gx_XIST1 (in bits)

TM41

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** 9674, 9676
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
2	18	11

p0419[0...n] Fine resolution absolute value Gx_XIST2 (in bits)

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** EDS **Func. diagram:** 4704, 4710
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
2	18	9

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p0420[0...n] Encoder connection

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 4
Data type: Unsigned16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p0421[0...n] Absolute encoder rotary multiturn resolution

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** EDS **Func. diagram:** 4704
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	65535	4096

p0422[0...n] Absolute encoder linear measuring step resolution

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** 4704
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0 [nm]	4294967295 [nm]	100 [nm]

p0423[0...n] Absolute encoder rotary singleturn resolution

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** 4704
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1073741823	8192

p0424[0...n] Encoder, linear zero mark distance

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0 [mm]	65535 [mm]	20 [mm]

p0425[0...n] Encoder, rotary zero mark distance

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** 4704, 8570
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	16777215	2048

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p0426[0...n] Encoder zero mark differential distance

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	65535	1

p0427[0...n] Encoder SSI baud rate

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0 [kHz]	65535 [kHz]	100 [kHz]

p0428[0...n] Encoder SSI monoflop time

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0 [µs]	65535 [µs]	30 [µs]

p0429[0...n] Encoder SSI configuration

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p0430[0...n] Sensor Module configuration

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	1110 0000 0000 1000 0000 0000 0000 0000 bin

p0430[0...n] Sensor Module configuration

SERVO (Lin)

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	1110 0000 0000 1000 0000 0000 0000 0000 bin

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p0431[0...n] Angular commutation offset

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-180.00 [°]	180.00 [°]	0.00 [°]

p0432[0...n] Gearbox factor, encoder revolutions

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	10000	1

p0432[0...n] Gearbox factor, encoder path

SERVO (Lin)

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	10000	1

p0433[0...n] Gearbox factor, motor/load revolutions

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	10000	1

p0433[0...n] Gearbox factor, motor/load path

SERVO (Lin)

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	10000	1

p0434[0...n] Encoder SSI error bit

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	65535	0

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p0435[0...n] Encoder SSI alarm bit

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	65535	0

p0436[0...n] Encoder SSI parity bit

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	65535	0

p0437[0...n] Sensor Module configuration extended

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0011 0000 0000 0000 0000 0000 0000 0000 bin

p0437[0...n] Sensor Module configuration extended

SERVO (Lin)

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0011 0000 0000 0000 0000 0000 0000 0000 bin

p0438[0...n] Squarewave encoder filter time

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	100.00 [µs]	0.64 [µs]

p0439[0...n] Encoder ramp-up time

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0 [ms]	65535 [ms]	0 [ms]

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p0440[0...n] Copy encoder serial number

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

p0441[0...n] Encoder commissioning serial number part 1

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** CALC_MOD_ALL **Access level:** 4
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p0442[0...n] Encoder commissioning serial number part 2

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** CALC_MOD_ALL **Access level:** 4
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p0443[0...n] Encoder commissioning serial number part 3

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** CALC_MOD_ALL **Access level:** 4
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p0444[0...n] Encoder commissioning serial number part 4

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** CALC_MOD_ALL **Access level:** 4
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p0445[0...n] Encoder commissioning serial number part 5

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** CALC_MOD_ALL **Access level:** 4
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

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p0446[0...n] Encoder SSI number of bits before the absolute value

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	65535	0

p0447[0...n] Encoder SSI number of bits absolute value

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	65535	25

p0448[0...n] Encoder SSI number of bits after the absolute value

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	65535	0

p0449[0...n] Encoder SSI number of bits, filler bits

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	65535	1

r0451[0...2] Commutation angle factor

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 4710
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0452[0...2] Squarewave encoder filter time display

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [µs]	- [µs]	- [µs]

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p0453[0...n] Rect. signal enc.:nom. meas. time of pulse enc. signal eval.

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1.00 [ms]	10000.00 [ms]	1000.00 [ms]

r0455[0...2] Encoder configuration recognized

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0456[0...2] Encoder configuration supported

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0458[0...2] Sensor Module properties

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 4704
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0458[0...2] Sensor Module properties

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 4704
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0459[0...2] Sensor Module properties extended

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r0459[0...2] Sensor Module properties extended

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0460[0...2] Encoder serial number part 1

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0461[0...2] Encoder serial number part 2

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0462[0...2] Encoder serial number part 3

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0463[0...2] Encoder serial number part 4

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0464[0...2] Encoder serial number part 5

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r0465[0...27] Encoder 1 identification number/serial number

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0466[0...27] Encoder 2 identification number/serial number

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0467[0...27] Encoder 3 identification number/serial number

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0470[0...2] Redundant coarse value valid bits

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0471[0...2] Redundant coarse value fine resolution bits

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0472[0...2] Redundant coarse position value relevant bits

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r0474[0...2] Redundant coarse position value configuration

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0475[0...2] Gx_XIST1 coarse position safe most significant bit

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0477[0...2] CO: Measuring gear, position difference

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0479[0...2] CO: Diagnostics encoder position actual value Gn_XIST1

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0479 CO: Diagnostics encoder position actual value Gn_XIST1

TM41

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer32 **Dynamic index:** - **Func. diagram:** 9674
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p0480[0...2] CI: Signal source for encoder control word Gn_STW

SERVO, VECTOR

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / Integer16 **Dynamic index:** - **Func. diagram:** 1580, 4720
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0

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r0481[0...2] CO: Encoder status word Gn_ZSW

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 4010, 4704, 4730
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0481 CO: Encoder status word Gn_ZSW

TM41

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0482[0...2] CO: Encoder actual position value Gn_XIST1

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 1580, 2450, 4010, 4704, 4735, 4740
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0482 CO: Encoder actual position value Gn_XIST1

TM41

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 9674
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0483[0...2] CO: Encoder actual position value Gn_XIST2

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 1580, 2450, 4010, 4704
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r0483 CO: Encoder actual position value Gn_XIST2

TM41

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0484[0...2] CO: Redundant coarse encoder position + CRC Gn_XIST1

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0485[0...2] CO: Measuring gear, encoder raw value incremental

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0486[0...2] CO: Measuring gear, encoder raw value absolute

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0487[0...2] Diagnostic encoder control word Gn_STW

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 1580, 4704, 4720, 4740
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p0488[0...2] Measuring probe 1 input terminal

SERVO, VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** 4740
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	6	0

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p0489[0...2] Measuring probe 2 input terminal

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 4740
P-Group: Encoder | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	6	0

p0490 Invert measuring probe or equivalent zero mark

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 4740
P-Group: Encoder | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p0490 Invert measuring probe or equivalent zero mark

CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 4740
P-Group: Encoder | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p0491 Motor encoder fault response ENCODER

SERVO

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Encoder | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	4	0

p0491 Motor encoder fault response ENCODER

TM41

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Encoder | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	4	0

p0491 Motor encoder fault response ENCODER

VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Encoder | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	4	0

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p0492 Square-wave encoder, maximum speed difference per sampling cycle

SERVO, VECTOR

Can be changed: U, T
Calculated: CALC_MOD_REG
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Encoder
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.0 [rpm]	210000.0 [rpm]	0.0 [rpm]

p0492 Square-wave encoder, max. velocity difference per sampling cycle

SERVO (Lin)

Can be changed: U, T
Calculated: CALC_MOD_REG
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Encoder
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.0 [m/min]	1000.0 [m/min]	0.0 [m/min]

p0493[0...n] Zero mark selection, input terminal

SERVO, VECTOR

Can be changed: U, T
Calculated: -
Access level: 3
Data type: Integer16
Dynamic index: EDS
Func. diagram: -
P-Group: Encoder
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	6	0

p0495[0...2] Equivalent zero mark, input terminal

SERVO, VECTOR

Can be changed: U, T
Calculated: -
Access level: 3
Data type: Integer16
Dynamic index: -
Func. diagram: 4735
P-Group: Encoder
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	6	0

p0496[0...2] Encoder diagnostic signal selection

SERVO, VECTOR

Can be changed: U, T
Calculated: -
Access level: 4
Data type: Integer16
Dynamic index: -
Func. diagram: -
P-Group: Encoder
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	51	0

r0497[0...2] CO: Encoder diagnostic signal double word

SERVO, VECTOR

Can be changed: -
Calculated: -
Access level: 4
Data type: Unsigned32
Dynamic index: -
Func. diagram: -
P-Group: Encoder
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

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r0498[0...2] CO: Encoder diagnostic signal word low

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0499[0...2] CO: Encoder diagnostic signal word high

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p0500 Technology application

SERVO

Can be changed: C2(1, 5), T **Calculated:** - **Access level:** 2
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Applications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
100	102	100

p0500 Technology application

VECTOR

Can be changed: C2(1, 5), T **Calculated:** - **Access level:** 2
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Applications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	2	1

p0505 Selecting the system of units

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: C2(5) **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Applications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	4	1

p0528 Controller gain, system of units

SERVO, TM41

Can be changed: C2(5) **Calculated:** - **Access level:** 4
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Applications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

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p0528 Controller gain, system of units

VECTOR

Can be changed: C2(5) **Calculated:** - **Access level:** 4
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Applications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	1

p0570 Inhibit list: Number of effective values

SERVO, VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 2
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: Applications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	50	0

p0571[0...49] Inhibit list, motor/closed-loop control parameter calculation

SERVO, VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 2
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Applications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	2142	0

p0572[0...n] Activate inhibit list

SERVO, VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 2
Data type: Integer16 **Dynamic index:** DDS, p0180 **Func. diagram:** -
P-Group: Applications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

p0573 Inhibit automatic reference value calculation

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 2
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Applications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

p0578[0...n] Calculate parameters that are dependent on the technology/units

SERVO, VECTOR

Can be changed: C2(5), T **Calculated:** - **Access level:** 2
Data type: Integer16 **Dynamic index:** DDS, p0180 **Func. diagram:** -
P-Group: Applications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

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p0580 Measuring probe, input terminal

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Encoder | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	6	0

p0581 Meas probe, edge

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Encoder | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

p0582 Measuring probe, pulses per revolution

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Encoder | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	12	1

p0583 Measuring probe, maximum measuring time

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Encoder | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.040 [s]	10.000 [s]	10.000 [s]

r0586 CO: Measuring probe, speed actual value

SERVO

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r0586 CO: Measuring probe, velocity actual value

SERVO (Lin)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

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r0587 CO: Measuring probe, measuring time measured

SERVO

Can be changed: -
Data type: Unsigned32
P-Group: Displays, signals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r0588 CO: Measuring probe, pulse counter

SERVO

Can be changed: -
Data type: Unsigned32
P-Group: Displays, signals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r0589 Measuring probe, delay time

SERVO

Can be changed: -
Data type: Unsigned32
P-Group: Displays, signals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p0595 Selecting technological units

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: C2(5)
Data type: Integer16
P-Group: Applications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 1
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
1	32	1

p0596 Reference quantity, technological units

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: T
Data type: FloatingPoint32
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 1
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.01	340.28235E36	1.00

p0600[0...n] Motor temperature sensor for monitoring

SERVO

Can be changed: C2(3), U, T
Data type: Integer16
P-Group: Motor
Not for motor type: -

Calculated: CALC_MOD_ALL
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 2
Func. diagram: 8016
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	11	1

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p0600[0...n] Motor temperature sensor for monitoring

VECTOR

Can be changed: C2(3), U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 2
Data type: Integer16 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 8016
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	11	0

p0601 Temperature sensor, sensor type

A_INF, B_INF, S_INF

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	4	0

p0601[0...n] Motor temperature sensor type

SERVO, VECTOR

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 8016
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	10	2

p0602 Par_circuit power unit number, temperature sensor

VECTOR (Parallel)

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	10	0

p0603 CI: Motor temperature signal source

SERVO, VECTOR

Can be changed: C2(3), T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8016
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** TEMP | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p0604[0...n] Motor overtemperature alarm threshold

SERVO

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 8016
P-Group: Motor | **Units group:** 21_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [°C]	200.0 [°C]	120.0 [°C]

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p0604[0...n] Motor overtemperature alarm threshold

VECTOR

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 8016
P-Group: Motor | **Units group:** 21_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [°C]	200.0 [°C]	130.0 [°C]

p0605[0...n] Motor overtemperature fault threshold

SERVO, VECTOR

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 8016, 8017
P-Group: Motor | **Units group:** 21_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [°C]	200.0 [°C]	145.0 [°C]

p0606[0...n] Motor overtemperature timer

SERVO

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 8016
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	600.000 [s]	240.000 [s]

p0606[0...n] Motor overtemperature timer

VECTOR

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 8016
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	600.000 [s]	0.000 [s]

p0607[0...n] Temperature sensor fault timer

SERVO, VECTOR

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	600.000 [s]	0.100 [s]

p0610[0...n] Motor overtemperature response

VECTOR

Can be changed: C2(3), T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 8016
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	2	1

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p0611[0...n] I2t motor model thermal time constant

SERVO, VECTOR

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 8017
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [s]	20000 [s]	0 [s]

p0612[0...n] Thermal motor model configuration

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 8017
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0010 bin

p0615[0...n] I2t motor model fault threshold

SERVO, VECTOR

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 8017
P-Group: Motor | **Units group:** 21_1 | **Unit selection:** p0505
Not for motor type: ASM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [°C]	220.0 [°C]	180.0 [°C]

p0616[0...n] Motor overtemperature alarm threshold 1

SERVO

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 8016
P-Group: Motor | **Units group:** 21_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [°C]	200.0 [°C]	195.0 [°C]

p0616[0...n] Motor overtemperature alarm threshold 1

VECTOR

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 8016
P-Group: Motor | **Units group:** 21_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [°C]	200.0 [°C]	130.0 [°C]

p0620[0...n] Thermal adaptation, stator and rotor resistance

SERVO

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	2	2

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p0620[0...n] Thermal adaptation, stator and rotor resistance

VECTOR

Can be changed: C2(3), U, T
Calculated: CALC_MOD_ALL
Access level: 2
Data type: Integer16
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	2	1

p0621[0...n] Identification stator resistance after restart

VECTOR (n/M)

Can be changed: C2(3), T
Calculated: -
Access level: 2
Data type: Integer16
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: PEM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	2	0

p0622[0...n] Motor excitation time for Rs_ident after powering up again

VECTOR (n/M)

Can be changed: C2(3), U, T
Calculated: CALC_MOD_REG
Access level: 3
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: PEM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.000 [s]	20.000 [s]	0.000 [s]

r0623 Stator resistance of Rs identification after powering up again

VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 4
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Motor identification
Units group: -
Unit selection: -
Not for motor type: PEM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
- [Ohm]	- [Ohm]	- [Ohm]

p0624[0...n] Motor Temperature Offset PT100

SERVO, VECTOR

Can be changed: C2(3), U, T
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: 8016
P-Group: Motor
Units group: 21_2
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-100.0 [K]	100.0 [K]	0.0 [K]

p0625[0...n] Motor ambient temperature

SERVO, VECTOR

Can be changed: C2(3), U, T
Calculated: CALC_MOD_EQU
Access level: 3
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: 8016
P-Group: Motor
Units group: 21_1
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-40 [°C]	80 [°C]	20 [°C]

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p0626[0...n] Motor overtemperature, stator core

SERVO, VECTOR

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 8016
P-Group: Motor | **Units group:** 21_2 | **Unit selection:** p0505
Not for motor type: PEM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
20 [K]	200 [K]	50 [K]

p0627[0...n] Motor overtemperature, stator winding

SERVO, VECTOR

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 8016
P-Group: Motor | **Units group:** 21_2 | **Unit selection:** p0505
Not for motor type: PEM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
20 [K]	200 [K]	80 [K]

p0628[0...n] Motor overtemperature rotor winding

SERVO, VECTOR

Can be changed: C2(3), U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 8016
P-Group: Motor | **Units group:** 21_2 | **Unit selection:** p0505
Not for motor type: PEM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
20 [K]	200 [K]	100 [K]

r0630[0...n] Motor temperature model ambient temperature

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 8016
P-Group: Motor | **Units group:** 21_1 | **Unit selection:** p0505
Not for motor type: PEM, REL, FEM | **Scaling:** TEMP | **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r0631[0...n] Motor temperature model, stator core temperature

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 8016
P-Group: Motor | **Units group:** 21_1 | **Unit selection:** p0505
Not for motor type: PEM, REL, FEM | **Scaling:** TEMP | **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r0632[0...n] Motor temperature model, stator winding temperature

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 8016
P-Group: Motor | **Units group:** 21_1 | **Unit selection:** p0505
Not for motor type: PEM, REL, FEM | **Scaling:** TEMP | **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

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r0633[0...n] Motor temperature model, rotor temperature

SERVO, VECTOR

Can be changed: -
Calculated: -
Access level: 4
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: 8016
P-Group: Motor
Units group: 21_1
Unit selection: p0505
Not for motor type: PEM, REL, FEM
Scaling: TEMP
Expert list: 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

p0640[0...n] Current limit

SERVO, VECTOR

Can be changed: C2(1, 3), U, T
Calculated: CALC_MOD_ALL
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 1690, 1700, 5722, 6640
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [Arms]	10000.00 [Arms]	0.00 [Arms]

p0642[0...n] Encoderless operation current reduction

SERVO

Can be changed: C2(1, 3), U, T
Calculated: -
Access level: 1
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: -
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [%]	100.00 [%]	100.00 [%]

p0643[0...n] Overvoltage protection for synchronous motors

SERVO

Can be changed: T
Calculated: -
Access level: 3
Data type: Integer16
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	1	0

p0643[0...n] Overvoltage protection for synchronous motors

VECTOR (n/M)

Can be changed: C2(3)
Calculated: -
Access level: 3
Data type: Integer16
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	1	0

p0645[0...n] Motor kT characteristic kT1

SERVO (Exp M_ctrl, Lin)

Can be changed: C2(1, 3), U, T
Calculated: -
Access level: 1
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: ASM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [N/Arms]	200.00 [N/Arms]	0.00 [N/Arms]

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p0645[0...n] Motor kT characteristic kT1

SERVO (Exp M_ctrl)

Can be changed: C2(1, 3), U, T
Calculated: -
Access level: 1
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: ASM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [Nm/A]	200.00 [Nm/A]	0.00 [Nm/A]

p0646[0...n] Motor kT characteristic kT3

SERVO (Exp M_ctrl)

Can be changed: C2(1, 3), U, T
Calculated: -
Access level: 1
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: ASM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p0647[0...n] Motor kT characteristic kT5

SERVO (Exp M_ctrl)

Can be changed: C2(1, 3), U, T
Calculated: -
Access level: 1
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: ASM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p0648[0...n] Motor kT characteristic kT7

SERVO (Exp M_ctrl)

Can be changed: C2(1, 3), U, T
Calculated: -
Access level: 1
Data type: FloatingPoint32
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: ASM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p0650[0...n] Actual motor operating hours

SERVO, VECTOR

Can be changed: T
Calculated: -
Access level: 3
Data type: Unsigned32
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0 [h]	4294967295 [h]	0 [h]

p0651[0...n] Motor operating hours maintenance interval

SERVO, VECTOR

Can be changed: T
Calculated: -
Access level: 3
Data type: Unsigned32
Dynamic index: MDS, p0130
Func. diagram: -
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0 [h]	99999 [h]	0 [h]

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p0652[0...n] Motor stator resistance, scaling

VECTOR

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: ASM, PEM, REL

Calculated: CALC_MOD_EQU
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
10.0 [%]	300.0 [%]	100.0 [%]

p0653[0...n] Motor stator leakage inductance, scaling

VECTOR

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: ASM, PEM, REL

Calculated: CALC_MOD_EQU
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
10.0 [%]	300.0 [%]	100.0 [%]

p0655[0...n] Motor magnetizing inductance, d axis saturated scaling

VECTOR

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: ASM, PEM, REL

Calculated: CALC_MOD_EQU
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
10.0 [%]	300.0 [%]	100.0 [%]

p0656[0...n] Motor magnetizing inductance, q axis, saturated scaling

VECTOR

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: ASM, PEM, REL

Calculated: CALC_MOD_EQU
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
10.0 [%]	300.0 [%]	100.0 [%]

p0657[0...n] Motor damping inductance, d axis scaling

VECTOR

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: ASM, PEM, REL

Calculated: CALC_MOD_EQU
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
10.0 [%]	300.0 [%]	100.0 [%]

p0658[0...n] Motor damping inductance, q axis scaling

VECTOR

Can be changed: C2(3), U, T
Data type: FloatingPoint32
P-Group: Motor
Not for motor type: ASM, PEM, REL

Calculated: CALC_MOD_EQU
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
10.0 [%]	300.0 [%]	100.0 [%]

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p0659[0...n] Motor damping resistance, d axis scaling

VECTOR

Can be changed: C2(3), U, T | **Calculated:** CALC_MOD_EQU | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
10.0 [%]	300.0 [%]	100.0 [%]

p0660[0...n] Motor damping resistance, q axis scaling

VECTOR

Can be changed: C2(3), U, T | **Calculated:** CALC_MOD_EQU | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
10.0 [%]	300.0 [%]	100.0 [%]

p0680[0...5] Central measuring probe, input terminal

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Encoder | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	6	0

p0680[0...5] Central measuring probe, input terminal

CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Encoder | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	3	0

p0681 BI: Central measuring probe, synchronizing signal signal source

CU_CX32, CU_I, CU_S

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p0682 CI: Central measuring probe, control word signal source

CU_CX32, CU_I, CU_S

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p0684 Central measuring probe evaluation technique

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Encoder | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

r0685 Central measuring probe, control word display

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0686[0...5] CO: Central measuring probe, measuring time rising edge

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0687[0...5] CO: Central measuring probe, measuring time falling edge

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0688 CO: Central measuring probe, status word display

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p0700[0...n] Macro Binector Input (BI)

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	999999	0

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r0721 **CX digital inputs, terminal actual value**

CU_CX32

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2220, 2230, 2231
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0721 **CU digital inputs, terminal actual value**

CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 1510, 2020, 2030, 2031, 2100, 2120, 2130, 2131, 2132, 2133
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0721 **CU digital inputs, terminal actual value**

CU_S

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 1510, 2020, 2030, 2031, 2100, 2120, 2130, 2131, 2132, 2133
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0722.0...11 **CO/BO: CX digital inputs, status**

CU_CX32

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2220, 2230, 2231
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0722.0...15 **CO/BO: CU digital inputs, status**

CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 1510, 2020, 2030, 2031, 2100, 2120, 2130, 2131, 2132, 2133
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r0722.0...11 CO/BO: CU digital inputs, status

CU_S

Can be changed: -
Calculated: -
Access level: 1
Data type: Unsigned32
Dynamic index: -
Func. diagram: 1510, 2020, 2030, 2031, 2100, 2120, 2130, 2131, 2132, 2133
P-Group: Commands
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r0723.0...11 BO: CX digital inputs, status inverted

CU_CX32

Can be changed: -
Calculated: -
Access level: 1
Data type: Unsigned32
Dynamic index: -
Func. diagram: 2220, 2230, 2231
P-Group: Commands
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r0723.0...15 BO: CU digital inputs, status inverted

CU_I, CU_S

Can be changed: -
Calculated: -
Access level: 1
Data type: Unsigned32
Dynamic index: -
Func. diagram: 1510, 2020, 2030, 2031, 2100, 2120, 2130, 2131 2132, 2133
P-Group: Commands
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r0723.0...11 BO: CU digital inputs, status inverted

CU_S

Can be changed: -
Calculated: -
Access level: 1
Data type: Unsigned32
Dynamic index: -
Func. diagram: 1510, 2020, 2030, 2031, 2100, 2120, 2130, 2131 2132, 2133
P-Group: Commands
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p0728 CX set input or output

CU_CX32

Can be changed: T
Calculated: -
Access level: 1
Data type: Unsigned32
Dynamic index: -
Func. diagram: 2230, 2231
P-Group: Commands
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

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p0728 **CU, set input or output**

CU_I, CU_S	**Can be changed:** T	**Calculated:** -	**Access level:** 1
	Data type: Unsigned32	**Dynamic index:** -	**Func. diagram:** 1510, 2030, 2031, 2130, 2131, 2132, 2133
	P-Group: Commands	**Units group:** -	**Unit selection:** -
	Not for motor type: -	**Scaling:** -	**Expert list:** 1
	Min	**Max**	**Factory setting**
	-	-	0000 bin

p0728 **CU, set input or output**

CU_S	**Can be changed:** T	**Calculated:** -	**Access level:** 1
	Data type: Unsigned32	**Dynamic index:** -	**Func. diagram:** 1510, 2030, 2031, 2130, 2131, 2132, 2133
	P-Group: Commands	**Units group:** -	**Unit selection:** -
	Not for motor type: -	**Scaling:** -	**Expert list:** 1
	Min	**Max**	**Factory setting**
	-	-	0000 bin

r0729 **CX digital outputs access authority**

CU_CX32	**Can be changed:** -	**Calculated:** -	**Access level:** 1
	Data type: Unsigned32	**Dynamic index:** -	**Func. diagram:** 2230, 2231
	P-Group: Commands	**Units group:** -	**Unit selection:** -
	Not for motor type: -	**Scaling:** -	**Expert list:** 1
	Min	**Max**	**Factory setting**
	-	-	-

r0729 **CU digital outputs access authority**

CU_I, CU_S	**Can be changed:** -	**Calculated:** -	**Access level:** 1
	Data type: Unsigned32	**Dynamic index:** -	**Func. diagram:** 2030, 2031, 2130, 2131, 2132, 2133
	P-Group: Commands	**Units group:** -	**Unit selection:** -
	Not for motor type: -	**Scaling:** -	**Expert list:** 1
	Min	**Max**	**Factory setting**
	-	-	-

p0738 **BI: CX signal source for terminal DI/DO 8**

CU_CX32	**Can be changed:** U, T	**Calculated:** -	**Access level:** 1
	Data type: Unsigned32 / Binary	**Dynamic index:** -	**Func. diagram:** 2230
	P-Group: Commands	**Units group:** -	**Unit selection:** -
	Not for motor type: -	**Scaling:** -	**Expert list:** 1
	Min	**Max**	**Factory setting**
	-	-	0

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p0738 BI: CU, signal source for terminal DI/DO 8

CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 1510, 2030, 2130
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p0739 BI: CX signal source for terminal DI/DO 9

CU_CX32

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2230
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p0739 BI: CU, signal source for terminal DI/DO 9

CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2030, 2130
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p0740 BI: CX signal source for terminal DI/DO 10

CU_CX32

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2231
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p0740 BI: CU, signal source for terminal DI/DO 10

CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2031, 2131
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p0741 BI: CX signal source for terminal DI/DO 11

CU_CX32

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2231
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p0741 BI: CU, signal source for terminal DI/DO 11

CU_I, CU_S	**Can be changed:** U, T	**Calculated:** -	**Access level:** 1
	Data type: Unsigned32 / Binary	**Dynamic index:** -	**Func. diagram:** 1510, 2031, 2131
	P-Group: Commands	**Units group:** -	**Unit selection:** -
	Not for motor type: -	**Scaling:** -	**Expert list:** 1
	Min	**Max**	**Factory setting**
	-	-	0

p0742 BI: CU, signal source for terminal DI/DO 12

CU_I, CU_S	**Can be changed:** U, T	**Calculated:** -	**Access level:** 1
	Data type: Unsigned32 / Binary	**Dynamic index:** -	**Func. diagram:** 1510, 2132
	P-Group: Commands	**Units group:** -	**Unit selection:** -
	Not for motor type: -	**Scaling:** -	**Expert list:** 1
	Min	**Max**	**Factory setting**
	-	-	0

p0743 BI: CU, signal source for terminal DI/DO 13

CU_I, CU_S	**Can be changed:** U, T	**Calculated:** -	**Access level:** 1
	Data type: Unsigned32 / Binary	**Dynamic index:** -	**Func. diagram:** 2132
	P-Group: Commands	**Units group:** -	**Unit selection:** -
	Not for motor type: -	**Scaling:** -	**Expert list:** 1
	Min	**Max**	**Factory setting**
	-	-	0

p0744 BI: CU, signal source for terminal DI/DO 14

CU_I, CU_S	**Can be changed:** U, T	**Calculated:** -	**Access level:** 1
	Data type: Unsigned32 / Binary	**Dynamic index:** -	**Func. diagram:** 2133
	P-Group: Commands	**Units group:** -	**Unit selection:** -
	Not for motor type: -	**Scaling:** -	**Expert list:** 1
	Min	**Max**	**Factory setting**
	-	-	0

p0745 BI: CU, signal source for terminal DI/DO 15

CU_I, CU_S	**Can be changed:** U, T	**Calculated:** -	**Access level:** 1
	Data type: Unsigned32 / Binary	**Dynamic index:** -	**Func. diagram:** 1510, 2133
	P-Group: Commands	**Units group:** -	**Unit selection:** -
	Not for motor type: -	**Scaling:** -	**Expert list:** 1
	Min	**Max**	**Factory setting**
	-	-	0

r0747 CX digital outputs, status

CU_CX32	**Can be changed:** -	**Calculated:** -	**Access level:** 1
	Data type: Unsigned32	**Dynamic index:** -	**Func. diagram:** -
	P-Group: Commands	**Units group:** -	**Unit selection:** -
	Not for motor type: -	**Scaling:** -	**Expert list:** 1
	Min	**Max**	**Factory setting**
	-	-	-

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r0747 **CU, digital outputs status**

CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2130, 2131, 2132, 2133
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0747 **CU, digital outputs status**

CU_S

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2130, 2131, 2132, 2133
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p0748 **CX invert digital outputs**

CU_CX32

Can be changed: U, T **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2230, 2231
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p0748 **CU, invert digital outputs**

CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2030, 2031, 2130, 2131, 2132, 2133
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p0748 **CU, invert digital outputs**

CU_S

Can be changed: U, T **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2030, 2031, 2130, 2131, 2132, 2133
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

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p0771[0...2] CI: Test sockets signal source

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / Integer16 | **Dynamic index:** - | **Func. diagram:** 8134
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	0

r0772[0...2] Test sockets output signal

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8134
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r0774[0...2] Test sockets output voltage

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8134
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

p0776[0...2] Test socket mode

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 8134
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
96	99	99

p0777[0...2] Test socket characteristic value x1

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8134
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-100000.00 [%]	100000.00 [%]	0.00 [%]

p0778[0...2] Test socket characteristic value y1

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8134
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [V]	4.98 [V]	2.49 [V]

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p0779[0...2] Test socket characteristic value x2

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8134
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-100000.00 [%]	427.9E9 [%]	100.00 [%]

p0780[0...2] Test socket characteristic value y2

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8134
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [V]	4.98 [V]	4.98 [V]

p0783[0...2] Test sockets offset

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8134
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-4.98 [V]	4.98 [V]	0.00 [V]

p0784[0...2] Test socket limit on/off

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 8134
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

r0786[0...2] Test socket normalization per volt

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8134
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p0788[0...2] Test sockets physical address

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 bin	1111 1111 1111 1111 1111 1111 1111 1111 bin	0000 bin

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p0789[0...2] Test sockets physical address gain

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-340.28235E36	340.28235E36	1.00000

r0790[0...2] Test sockets physical address signal value

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p0795 CX digital inputs, simulation mode

CU_CX32

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 2220, 2230, 2231
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p0795 CU digital inputs simulation mode

CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 1510, 2020, 2030, 2031, 2100, 2120, 2130, 2131, 2132, 2133
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p0795 CU digital inputs simulation mode

CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 1510, 2020, 2030, 2031, 2100, 2120, 2130, 2131, 2132, 2133
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

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p0796 **CX digital inputs, simulation mode, setpoint**

CU_CX32

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 2020, 2030, 2031
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p0796 **CU digital inputs simulation mode setpoint**

CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 1510, 2020, 2030, 2031, 2100, 2120, 2130, 2131, 2132, 2133
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p0796 **CU digital inputs simulation mode setpoint**

CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 1510, 2020, 2030, 2031, 2100, 2120, 2130, 2131, 2132, 2133
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p0799 **CX inputs/outputs, sampling time**

CU_CX32

Can be changed: C1(3) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2220, 2230, 2231
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	5000.00 [µs]	4000.00 [µs]

p0799 **CU inputs/outputs, sampling time**

CU_I, CU_S

Can be changed: C1(3) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2020, 2030, 2031, 2120, 2121, 2130, 2131, 2132, 2133
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	5000.00 [µs]	4000.00 [µs]

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p0806 BI: Inhibit master control

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

r0807.0 BO: Master control active

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned8 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p0809[0...2] Copy Command Data Set CDS

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned8 | **Dynamic index:** - | **Func. diagram:** 8560
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	15	0

p0810 BI: Command Data Set selection CDS bit 0

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 8560
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p0811 BI: Command Data Set selection CDS bit 1

VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 8560
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p0819[0...2] Copy Drive Data Set DDS

SERVO, TM41, VECTOR

Can be changed: C2(15) | **Calculated:** - | **Access level:** 2
Data type: Unsigned8 | **Dynamic index:** - | **Func. diagram:** 8565
P-Group: Data sets | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	31	0

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p0820[0...n] BI: Drive Data Set selection DDS bit 0

SERVO, TM41, VECTOR

Can be changed: C2(15), T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 8565, 8575
P-Group: Data sets | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p0821[0...n] BI: Drive Data Set selection DDS bit 1

SERVO, TM41, VECTOR

Can be changed: C2(15), T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 8565
P-Group: Data sets | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p0822[0...n] BI: Drive Data Set selection DDS bit 2

SERVO, TM41, VECTOR

Can be changed: C2(15), T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 8565
P-Group: Data sets | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p0823[0...n] BI: Drive Data Set selection DDS bit 3

SERVO, TM41, VECTOR

Can be changed: C2(15), T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 8565
P-Group: Data sets | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p0824[0...n] BI: Drive Data Set selection DDS bit 4

SERVO, TM41, VECTOR

Can be changed: C2(15), T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 8565, 8575
P-Group: Data sets | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p0826[0...n] Motor changeover, motor number

SERVO

Can be changed: C2(3), U | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 8575
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	15	0

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p0826[0...n] Motor changeover, motor number

VECTOR

Can be changed: C2(3), U
Data type: Unsigned16
P-Group: Motor
Not for motor type: -
Calculated: -
Dynamic index: MDS, p0130
Units group: -
Scaling: -
Access level: 2
Func. diagram: 8575
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	15	0

p0827[0...n] Motor changeover status word bit number

SERVO, VECTOR

Can be changed: C2(3), U
Data type: Unsigned16
P-Group: Motor
Not for motor type: -
Calculated: -
Dynamic index: MDS, p0130
Units group: -
Scaling: -
Access level: 2
Func. diagram: 8575
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	15	0

p0828[0...n] BI: Motor changeover, feedback signal

SERVO, VECTOR

Can be changed: C2(3), T
Data type: Unsigned32 / Binary
P-Group: Motor
Not for motor type: -
Calculated: -
Dynamic index: CDS, p0170
Units group: -
Scaling: -
Access level: 3
Func. diagram: 8575
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

r0830.0...15 CO/BO: Motor changeover, status word

SERVO, VECTOR

Can be changed: -
Data type: Unsigned16
P-Group: Displays, signals
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 2
Func. diagram: 8575
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p0831[0...15] BI: Motor changeover, contactor feedback

SERVO, VECTOR

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: Motor
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: 8575
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

r0832.0...15 CO/BO: Mot. changeover, contactor feedback sig. status word

SERVO, VECTOR

Can be changed: -
Data type: Unsigned32
P-Group: Displays, signals
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 2
Func. diagram: 8575
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

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p0833 Data set changeover configuration

SERVO

Can be changed: C2(15), U
Calculated: -
Access level: 2
Data type: Unsigned16
Dynamic index: -
Func. diagram: 8575
P-Group: Data sets
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

p0833 Data set changeover configuration

VECTOR

Can be changed: C2(15), U
Calculated: -
Access level: 2
Data type: Unsigned16
Dynamic index: -
Func. diagram: 8575
P-Group: Data sets
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0010 bin

r0835.0...11 CO/BO: Motor data set changeover status word

SERVO, VECTOR

Can be changed: -
Calculated: -
Access level: 2
Data type: Unsigned16
Dynamic index: -
Func. diagram: 8575
P-Group: Displays, signals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r0836.0...3 CO/BO: Command Data Set CDS selected

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: -
Calculated: -
Access level: 2
Data type: Unsigned8
Dynamic index: -
Func. diagram: 1530, 8560
P-Group: Displays, signals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r0837.0...4 CO/BO: Drive Data Set DDS selected

SERVO, TM41, VECTOR

Can be changed: -
Calculated: -
Access level: 2
Data type: Unsigned8
Dynamic index: -
Func. diagram: 8565
P-Group: Displays, signals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r0838[0...3] Motor/Encoder Data Set selected

SERVO, VECTOR

Can be changed: -
Calculated: -
Access level: 2
Data type: Unsigned8
Dynamic index: -
Func. diagram: 8565, 8570, 8575
P-Group: Displays, signals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

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p0839 Motor changeover contactor control delay time

SERVO, VECTOR

Can be changed: C2(3), U | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	500 [ms]	0 [ms]

p0840[0...n] BI: ON/OFF1

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2501, 2610, 8720, 8820, 8920
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p0840 BI: ON/OFF1

TM41

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9677
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p0844[0...n] BI: 1. OFF2

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2501, 8720, 8820, 8920
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p0844 BI: OFF2

TM41

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9677
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

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p0845[0...n] **BI: 2. OFF2**

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2501, 8720, 8820, 8920
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p0848[0...n] **BI: 1. OFF3**

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2501
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p0848 **BI: OFF3**

TM41

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9677
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p0849[0...n] **BI: 2. OFF3**

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2501
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p0852[0...n] **BI: Operation enable**

A_INF, S_INF, SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2501, 8820, 8920
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p0852 **BI: Operation enable**

TM41

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9677
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

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p0854[0...n] BI: Master control by PLC

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2501, 8720, 8820, 8920
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p0854 BI: Master control by PLC

TM41

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9677, 9678
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p0855[0...n] BI: Unconditionally release holding brake

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2501, 2701, 2707
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p0856[0...n] BI: Speed controller enable

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2501, 2701, 2707
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p0856[0...n] BI: Velocity controller enable

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2501, 2701, 2707
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

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p0857 **Power unit monitoring time**

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8760, 8864, 8964
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
100.0 [ms]	60000.0 [ms]	6000.0 [ms]

p0857 **Power unit monitoring time**

SERVO

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8760, 8864, 8964
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
100.0 [ms]	60000.0 [ms]	2000 [ms]

p0858[0...n] **BI: Unconditionally close holding brake**

SERVO

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2501, 2701, 2707
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	9719.13

p0858[0...n] **BI: Unconditionally close holding brake**

VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2501, 2701, 2707
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p0860 **BI: Line cont. fdbk sig**

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2634, 8734, 8834, 8934
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	863.1

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p0861 Line contactor monitoring time

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2634, 8734, 8834, 8934
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	5000 [ms]	100 [ms]

p0862 Power unit ON delay

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2610, 8732, 8832, 8932
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	65000 [ms]	0 [ms]

r0863.0...2 CO/BO: Drive coupling status word/control word

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p0864 BI: Infeed operation

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 1773, 1774, 2610
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

r0873 CO/BO: Infeed, total operation

B_INF, S_INF

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 8732, 8832
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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p0874 BI: Smart/ Basic Line Module operation

B_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 8732, 8832
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p0895[0...n] BI: Activate/de-activate power unit components

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** PDS, p0120 | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

r0896.0 BO: Parking axis, status word

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned8 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p0897 BI: Parking axis selection

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

r0898.0...10 CO/BO: Control word sequence control infeed

A_INF, S_INF

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1530, 8820, 8920
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0898.0...10 CO/BO: Control word sequence control infeed

B_INF

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 8720
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r0898.0...15 CO/BO: Control word drive object 1

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0898.0...14 CO/BO: Control word sequence control

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 1530, 2501
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0898.0...14 CO/BO: Control word sequence control

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 1530, 2501
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0898.0...13 CO/BO: Control word sequence control

TM41

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 9678
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0899.0...12 CO/BO: Status word sequence control infeed

A_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 1530, 8826, 8926
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0899.0...12 CO/BO: Status word sequence control infeed

B_INF

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 8726
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r0899.0...15 CO/BO: Status word drive object 1

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0899.0...15 CO/BO: Status word sequence control

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 1530, 2503
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0899.0...15 CO/BO: Status word sequence control

TM41

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 9680
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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p0915[0...29] TM15 PROFIdrive PZD setpoint assignment

TM15

Can be changed: T
Data type: Unsigned16
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	4273	[0] 4201 [1] 4204 [2] 4205 [3] 4211 [4] 4212 [5] 4213 [6] 0 [7] 0 [8] 0 [9] 0 [10] 0 [11] 0 [12] 0 [13] 0 [14] 0 [15] 0 [16] 0 [17] 0 [18] 0 [19] 0 [20] 0 [21] 0 [22] 0 [23] 0 [24] 0 [25] 0 [26] 0 [27] 0 [28] 0 [29] 0

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p0915[0...35] TM17 PROFIdrive PZD setpoint assignment

TM17

Can be changed: T
Data type: Unsigned16
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	4265	[0] 4201
		[1] 4204
		[2] 4211
		[3] 4212
		[4] 0
		[5] 0
		[6] 0
		[7] 0
		[8] 0
		[9] 0
		[10] 0
		[11] 0
		[12] 0
		[13] 0
		[14] 0
		[15] 0
		[16] 0
		[17] 0
		[18] 0
		[19] 0
		[20] 0
		[21] 0
		[22] 0
		[23] 0
		[24] 0
		[25] 0
		[26] 0
		[27] 0
		[28] 0
		[29] 0
		[30] 0
		[31] 0
		[32] 0
		[33] 0
		[34] 0
		[35] 0

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p0916[0...29] TM15 PROFIdrive PZD actual value assignment

TM15

Can be changed: T
Calculated: -
Access level: 2
Data type: Unsigned16
Dynamic index: -
Func. diagram: -
P-Group: Communications
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	4373	[0] 4301
		[1] 4304
		[2] 4305
		[3] 4311
		[4] 4312
		[5] 4313
		[6] 0
		[7] 0
		[8] 0
		[9] 0
		[10] 0
		[11] 0
		[12] 0
		[13] 0
		[14] 0
		[15] 0
		[16] 0
		[17] 0
		[18] 0
		[19] 0
		[20] 0
		[21] 0
		[22] 0
		[23] 0
		[24] 0
		[25] 0
		[26] 0
		[27] 0
		[28] 0
		[29] 0

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p0916[0...35] TM17 PROFIdrive PZD actual value assignment

TM17

Can be changed: T
Data type: Unsigned16
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	4365	[0] 4301 [1] 4304 [2] 4311 [3] 4312 [4] 0 [5] 0 [6] 0 [7] 0 [8] 0 [9] 0 [10] 0 [11] 0 [12] 0 [13] 0 [14] 0 [15] 0 [16] 0 [17] 0 [18] 0 [19] 0 [20] 0 [21] 0 [22] 0 [23] 0 [24] 0 [25] 0 [26] 0 [27] 0 [28] 0 [29] 0 [30] 0 [31] 0 [32] 0 [33] 0 [34] 0 [35] 0

p0918 PROFIBUS address

CU_CX32, CU_I, CU_S

Can be changed: T
Data type: Unsigned16
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 1520, 2410
Unit selection: -
Expert list: 1

Min	Max	Factory setting
1	126	126

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p0922 **PROFIdrive telegram selection**

A_INF, B_INF, S_INF

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1520, 2420, 2423, 2447, 2457, 2481, 2483
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
370	999	999

p0922 **PROFIdrive telegram selection**

A_INF, B_INF, S_INF

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1520, 2420, 2423, 2447, 2457, 2481, 2483
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
999	999	999

p0922 **PROFIdrive telegram selection**

CU_CX32

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1520, 2420, 2423, 2481, 2483
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
390	999	390

p0922 **PROFIdrive telegram selection**

CU_I

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1520, 2420, 2423, 2481, 2483
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
390	999	391

p0922 **PROFIdrive telegram selection**

CU_S

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1520, 2420, 2423, 2481, 2483
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
390	999	999

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p0922 **PROFIdrive telegram selection**

SERVO

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1520, 2420, 2422, 2423, 2468, 2470
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	999	999

p0922 **PROFIdrive telegram selection**

SERVO

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1520, 2420, 2422, 2423, 2468, 2470
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	999	116

p0922 **PROFIdrive telegram selection**

SERVO (EPOS, Pos ctrl)

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1520, 2420, 2422, 2423, 2468, 2470
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
7	999	999

p0922 **PROFIdrive telegram selection**

SERVO (Pos ctrl)

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1520, 2420, 2422, 2423, 2468, 2470
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
999	999	999

p0922 **PROFIdrive telegram selection**

SERVO (Pos ctrl)

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1520, 2420, 2422, 2423, 2468, 2470
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
999	999	116

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p0922 **PROFIdrive telegram selection**

TM15, TM17

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 2481, 2483
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	0	0

p0922 **PROFIdrive telegram selection**

TM41

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1520, 9677, 9679, 9681, 9683
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
3	999	999

p0922 **PROFIdrive telegram selection**

VECTOR

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1520, 2420, 2422, 2423, 2468, 2470
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	999	999

p0922 **PROFIdrive telegram selection**

VECTOR (EPOS, n/M, Pos ctrl)

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1520, 2420, 2422, 2423, 2468, 2470
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
7	999	999

p0922 **PROFIdrive telegram selection**

VECTOR (n/M, Pos ctrl)

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1520, 2420, 2422, 2423, 2468, 2470
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
999	999	999

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p0922 PROFIdrive telegram selection

VECTOR (n/M)

Can be changed: C2(1), T
Data type: Unsigned16
P-Group: Communications
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 1
Func. diagram: 1520, 2420, 2422, 2423, 2468, 2470
Unit selection: -
Expert list: 1

Min	Max	Factory setting
1	999	999

r0924[0...1] ZSW bit pulses enabled

SERVO, VECTOR

Can be changed: -
Data type: Unsigned16
P-Group: Communications
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: 2454, 2456
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p0925 PROFIdrive clock synchronous sign-of-life tolerance

CU_CX32, CU_I, CU_S, SERVO, TM41, VECTOR (n/M)

Can be changed: U, T
Data type: Unsigned16
P-Group: Communications
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: 2410
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	65535	1

r0930 PROFIdrive operating mode

SERVO, VECTOR

Can be changed: -
Data type: Unsigned16
P-Group: Setpoints
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r0944 CO: Counter for fault buffer changes

All objects

Can be changed: -
Data type: Unsigned16
P-Group: Messages
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 2
Func. diagram: 8060
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r0945[0...63] Fault code

All objects

Can be changed: -
Data type: Unsigned16
P-Group: Messages
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 2
Func. diagram: 1750, 8060
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

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r0946[0...65534] Fault code list

All objects

Can be changed: -
Data type: Unsigned16
P-Group: Messages
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 8060
Unit selection: -
Expert list: 0

Min	Max	Factory setting
-	-	-

r0947[0...63] Fault number

All objects

Can be changed: -
Data type: Unsigned16
P-Group: Messages
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 1750, 8060
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r0948[0...63] Fault time received in milliseconds

All objects

Can be changed: -
Data type: Unsigned32
P-Group: Messages
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 1750, 8060
Unit selection: -
Expert list: 1

Min	Max	Factory setting
- [ms]	- [ms]	- [ms]

r0949[0...63] Fault value

All objects

Can be changed: -
Data type: Integer32
P-Group: Messages
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 1750, 8060
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r0951[0...65534] Fault number list

A_INF, B_INF, CU_CX32, CU_I, S_INF, SERVO

Can be changed: -
Data type: Unsigned16
P-Group: Messages
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 5
Func. diagram: 8060
Unit selection: -
Expert list: 0

Min	Max	Factory setting
-	-	-

p0952 Fault cases, counter

All objects

Can be changed: U, T
Data type: Unsigned16
P-Group: Messages
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 1710, 8060
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	65535	0

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r0963 PROFIBUS baud rate

CU_S

Can be changed: -
Data type: Unsigned16
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	255	-

r0964[0...6] Device identification

CU_CX32, CU_I, CU_S

Can be changed: -
Data type: Unsigned16
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r0965 PROFIdrive profile number

CU_CX32, CU_I, CU_S

Can be changed: -
Data type: Unsigned16
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p0969 System runtime relative

CU_CX32, CU_I, CU_S

Can be changed: T
Data type: Unsigned32
P-Group: Displays, signals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 1750, 8060
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0 [ms]	4294967295 [ms]	0 [ms]

p0970 Reset infeed parameter

A_INF, B_INF, S_INF

Can be changed: C2(30)
Data type: Unsigned16
P-Group: Factory settings
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	100	0

p0970 Reset drive parameters

SERVO, VECTOR

Can be changed: C2(30)
Data type: Unsigned16
P-Group: Factory settings
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	100	0

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p0970 **TB30 reset parameters**

TB30

Can be changed: C2(30) **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Factory settings **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	100	0

p0970 **TM15 reset parameter**

TM15

Can be changed: C2(30) **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Factory settings **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	100	0

p0970 **TM15DI/DO reset parameter**

TM15DI_DO

Can be changed: C2(30) **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Factory settings **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	100	0

p0970 **TM17 reset parameter**

TM17

Can be changed: C2(30) **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Factory settings **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	100	0

p0970 **TM31 reset parameters**

TM31

Can be changed: C2(30) **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Factory settings **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	100	0

p0970 **TM41 reset parameters**

TM41

Can be changed: C2(30) **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Factory settings **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	100	0

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p0970 TM54F reset parameters

TM54F_MA

Can be changed: C2(30) **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Factory settings **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	100	0

p0971 Save drive object parameters

All objects

Can be changed: U, T **Calculated:** - **Access level:** 1
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Factory settings **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

p0972 Drive unit reset

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 1
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	3	0

r0975[0...10] Drive object identification

All objects

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p0976 Reset and load all parameters

CU_CX32, CU_I, CU_S

Can be changed: C1(30) **Calculated:** - **Access level:** 1
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Factory settings **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1013	0

p0977 Save all parameters

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 1
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Factory settings **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1013	0

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p0978[0...16] List of drive objects

CU_CX32, CU_I, CU_S

Can be changed: C1(1) **Calculated:** - **Access level:** 2
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: Topology **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	255	[0] 1
		[1] 0
		[2] 0
		[3] 0
		[4] 0
		[5] 0
		[6] 0
		[7] 0
		[8] 0
		[9] 0
		[10] 0
		[11] 0
		[12] 0
		[13] 0
		[14] 0
		[15] 0
		[16] 0

r0979[0...30] PROFIdrive encoder format

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 4010, 4704
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0979[0...10] PROFIdrive encoder format

TM41

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 4010, 4704
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r0980[0...199] List of existing parameters 1

All objects

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

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r0981[0...199] List of existing parameters 2

All objects

Can be changed: -
Data type: Unsigned16
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
-	-	-

r0989[0...199] List of existing parameters 10

All objects

Can be changed: -
Data type: Unsigned16
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
-	-	-

r0990[0...99] List of modified parameters 1

All objects

Can be changed: -
Data type: Unsigned16
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
-	-	-

r0991[0...99] List of modified parameters 2

All objects

Can be changed: -
Data type: Unsigned16
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
-	-	-

r0999[0...99] List of modified parameters 10

All objects

Can be changed: -
Data type: Unsigned16
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
-	-	-

p1000[0...n] Macro Connector Inputs (CI) for speed setpoints

SERVO, VECTOR

Can be changed: C2(1), T
Data type: Unsigned32
P-Group: Commands
Not for motor type: -

Calculated: -
Dynamic index: CDS, p0170
Units group: -
Scaling: -

Access level: 1
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	999999	0

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p1000[0...n] Macro Connector Inputs (CI) for velocity setpoints

SERVO (Lin)

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	999999	0

p1001[0...n] CO: Fixed velocity setpoint 1

SERVO (Extended setp, Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1021, 3010
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-1000.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

p1001[0...n] CO: Fixed speed setpoint 1

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1021, 3010
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-210000.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1002[0...n] CO: Fixed velocity setpoint 2

SERVO (Extended setp, Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3010
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-1000.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

p1002[0...n] CO: Fixed speed setpoint 2

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3010
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-210000.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1003[0...n] CO: Fixed velocity setpoint 3

SERVO (Extended setp, Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3010
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-1000.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

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p1003[0...n] CO: Fixed speed setpoint 3

SERVO (Extended setp), VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Setpoints
Not for motor type: -
Calculated: -
Dynamic index: DDS, p0180
Units group: 3_1
Scaling: p2000
Access level: 2
Func. diagram: 3010
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
-210000.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1004[0...n] CO: Fixed velocity setpoint 4

SERVO (Extended setp, Lin)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Setpoints
Not for motor type: -
Calculated: -
Dynamic index: DDS, p0180
Units group: 4_1
Scaling: p2000
Access level: 2
Func. diagram: 3010
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
-1000.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

p1004[0...n] CO: Fixed speed setpoint 4

SERVO (Extended setp), VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Setpoints
Not for motor type: -
Calculated: -
Dynamic index: DDS, p0180
Units group: 3_1
Scaling: p2000
Access level: 2
Func. diagram: 3010
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
-210000.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1005[0...n] CO: Fixed velocity setpoint 5

SERVO (Extended setp, Lin)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Setpoints
Not for motor type: -
Calculated: -
Dynamic index: DDS, p0180
Units group: 4_1
Scaling: p2000
Access level: 2
Func. diagram: 3010
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
-1000.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

p1005[0...n] CO: Fixed speed setpoint 5

SERVO (Extended setp), VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Setpoints
Not for motor type: -
Calculated: -
Dynamic index: DDS, p0180
Units group: 3_1
Scaling: p2000
Access level: 2
Func. diagram: 3010
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
-210000.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1006[0...n] CO: Fixed velocity setpoint 6

SERVO (Extended setp, Lin)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Setpoints
Not for motor type: -
Calculated: -
Dynamic index: DDS, p0180
Units group: 4_1
Scaling: p2000
Access level: 2
Func. diagram: 3010
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
-1000.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

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p1006[0...n] CO: Fixed speed setpoint 6

SERVO (Extended setp), VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Setpoints
Not for motor type: -
Calculated: -
Dynamic index: DDS, p0180
Units group: 3_1
Scaling: p2000
Access level: 2
Func. diagram: 3010
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
-210000.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1007[0...n] CO: Fixed velocity setpoint 7

SERVO (Extended setp, Lin)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Setpoints
Not for motor type: -
Calculated: -
Dynamic index: DDS, p0180
Units group: 4_1
Scaling: p2000
Access level: 2
Func. diagram: 3010
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
-1000.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

p1007[0...n] CO: Fixed speed setpoint 7

SERVO (Extended setp), VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Setpoints
Not for motor type: -
Calculated: -
Dynamic index: DDS, p0180
Units group: 3_1
Scaling: p2000
Access level: 2
Func. diagram: 3010
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
-210000.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1008[0...n] CO: Fixed velocity setpoint 8

SERVO (Extended setp, Lin)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Setpoints
Not for motor type: -
Calculated: -
Dynamic index: DDS, p0180
Units group: 4_1
Scaling: p2000
Access level: 2
Func. diagram: 3010
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
-1000.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

p1008[0...n] CO: Fixed speed setpoint 8

SERVO (Extended setp), VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Setpoints
Not for motor type: -
Calculated: -
Dynamic index: DDS, p0180
Units group: 3_1
Scaling: p2000
Access level: 2
Func. diagram: 3010
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
-210000.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1009[0...n] CO: Fixed velocity setpoint 9

SERVO (Extended setp, Lin)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Setpoints
Not for motor type: -
Calculated: -
Dynamic index: DDS, p0180
Units group: 4_1
Scaling: p2000
Access level: 2
Func. diagram: 3010
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
-1000.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

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p1009[0...n] **CO: Fixed speed setpoint 9**

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3010
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min -210000.000 [rpm] | **Max** 210000.000 [rpm] | **Factory setting** 0.000 [rpm]

p1010[0...n] **CO: Fixed velocity setpoint 10**

SERVO (Extended setp, Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3010
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min -1000.000 [m/min] | **Max** 1000.000 [m/min] | **Factory setting** 0.000 [m/min]

p1010[0...n] **CO: Fixed speed setpoint 10**

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3010
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min -210000.000 [rpm] | **Max** 210000.000 [rpm] | **Factory setting** 0.000 [rpm]

p1011[0...n] **CO: Fixed velocity setpoint 11**

SERVO (Extended setp, Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3010
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min -1000.000 [m/min] | **Max** 1000.000 [m/min] | **Factory setting** 0.000 [m/min]

p1011[0...n] **CO: Fixed speed setpoint 11**

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3010
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min -210000.000 [rpm] | **Max** 210000.000 [rpm] | **Factory setting** 0.000 [rpm]

p1012[0...n] **CO: Fixed velocity setpoint 12**

SERVO (Extended setp, Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3010
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min -1000.000 [m/min] | **Max** 1000.000 [m/min] | **Factory setting** 0.000 [m/min]

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p1012[0...n] CO: Fixed speed setpoint 12

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3010
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-210000.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1013[0...n] CO: Fixed velocity setpoint 13

SERVO (Extended setp, Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3010
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-1000.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

p1013[0...n] CO: Fixed speed setpoint 13

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3010
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-210000.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1014[0...n] CO: Fixed velocity setpoint 14

SERVO (Extended setp, Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3010
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-1000.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

p1014[0...n] CO: Fixed speed setpoint 14

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3010
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-210000.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1015[0...n] CO: Fixed velocity setpoint 15

SERVO (Extended setp, Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1021, 3010
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-1000.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

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p1015[0...n] CO: Fixed speed setpoint 15

SERVO (Extended setp), VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Setpoints
Not for motor type: -
Calculated: -
Dynamic index: DDS, p0180
Units group: 3_1
Scaling: p2000
Access level: 2
Func. diagram: 1021, 3010
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
-210000.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1020[0...n] BI: Fixed velocity setpoint selection Bit 0

SERVO (Extended setp, Lin)

Can be changed: T
Data type: Unsigned32 / Binary
P-Group: Setpoints
Not for motor type: -
Calculated: -
Dynamic index: CDS, p0170
Units group: -
Scaling: -
Access level: 3
Func. diagram: 2505
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p1020[0...n] BI: Fixed speed setpoint selection Bit 0

SERVO (Extended setp), VECTOR

Can be changed: T
Data type: Unsigned32 / Binary
P-Group: Setpoints
Not for motor type: -
Calculated: -
Dynamic index: CDS, p0170
Units group: -
Scaling: -
Access level: 3
Func. diagram: 2505
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p1021[0...n] BI: Fixed velocity setpoint selection Bit 1

SERVO (Extended setp, Lin)

Can be changed: T
Data type: Unsigned32 / Binary
P-Group: Setpoints
Not for motor type: -
Calculated: -
Dynamic index: CDS, p0170
Units group: -
Scaling: -
Access level: 3
Func. diagram: 2505
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p1021[0...n] BI: Fixed speed setpoint selection Bit 1

SERVO (Extended setp), VECTOR

Can be changed: T
Data type: Unsigned32 / Binary
P-Group: Setpoints
Not for motor type: -
Calculated: -
Dynamic index: CDS, p0170
Units group: -
Scaling: -
Access level: 3
Func. diagram: 2505
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p1022[0...n] BI: Fixed velocity setpoint selection Bit 2

SERVO (Extended setp, Lin)

Can be changed: T
Data type: Unsigned32 / Binary
P-Group: Setpoints
Not for motor type: -
Calculated: -
Dynamic index: CDS, p0170
Units group: -
Scaling: -
Access level: 3
Func. diagram: 2505
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

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p1022[0...n] BI: Fixed speed setpoint selection Bit 2

SERVO (Extended setp), VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2505
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1023[0...n] BI: Fixed velocity setpoint selection Bit 3

SERVO (Extended setp, Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2505
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1023[0...n] BI: Fixed speed setpoint selection Bit 3

SERVO (Extended setp), VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2505
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

r1024 CO: Fixed velocity setpoint effective

SERVO (Extended setp, Lin)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 1550, 3010
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r1024 CO: Fixed speed setpoint effective

SERVO (Extended setp), VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 1550, 3010
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

p1030[0...n] Motorized potentiometer configuration

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0110 bin

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p1035[0...n] BI: Motorized potentiometer setpoint raise

SERVO (Extended setp), VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2442, 2505, 3020
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1035 BI: Zero marks enable

TM41

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9678
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1036[0...n] BI: Motorized potentiometer lower setpoint

SERVO (Extended setp), VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2442, 2505
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1037[0...n] Motorized potentiometer maximum velocity

SERVO (Extended setp, Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3020
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

p1037[0...n] Motorized potentiometer maximum speed

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3020
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-210000.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

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p1038[0...n] Motorized potentiometer minimum velocity

SERVO (Extended setp, Lin)

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 3020
P-Group: Setpoints
Units group: 4_1
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-1000.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

p1038[0...n] Motorized potentiometer minimum speed

SERVO (Extended setp), VECTOR

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 3020
P-Group: Setpoints
Units group: 3_1
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-210000.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1039[0...n] BI: Motorized potentiometer inversion

SERVO (Extended setp), VECTOR

Can be changed: T
Calculated: -
Access level: 3
Data type: Unsigned32 / Binary
Dynamic index: CDS, p0170
Func. diagram: 3020
P-Group: Setpoints
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p1040[0...n] Motorized potentiometer starting value

SERVO (Extended setp, Lin)

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 3020
P-Group: Setpoints
Units group: 4_1
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-1000.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

p1040[0...n] Motorized potentiometer starting value

SERVO (Extended setp), VECTOR

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 3020
P-Group: Setpoints
Units group: 3_1
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-210000.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1041[0...n] BI: Motorized potentiometer manual/automatic

SERVO (Extended setp), VECTOR

Can be changed: T
Calculated: -
Access level: 3
Data type: Unsigned32 / Binary
Dynamic index: CDS, p0170
Func. diagram: 3020
P-Group: Setpoints
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0

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p1042[0...n] CI: Motorized potentiometer automatic setpoint

SERVO (Extended setp), VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 3020
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1043[0...n] BI: Motorized potentiometer accept setpoint

SERVO (Extended setp), VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 3020
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1044[0...n] CI: Motorized potentiometer setting value

SERVO (Extended setp), VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 3020
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

r1045 CO: Mot. potentiom. velocity setp. in front of ramp-fct. gen.

SERVO (Extended setp, Lin)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 3020
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r1045 CO: Mot. potentiometer speed setp. in front of ramp-fct. gen.

SERVO (Extended setp), VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 3020
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

p1047[0...n] Motorized potentiometer ramp-up time

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3020
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	1000.000 [s]	10.000 [s]

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p1048[0...n] Motorized potentiometer ramp-down time

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3020
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	1000.000 [s]	10.000 [s]

r1050 CO: Motor. potentiometer setpoint after the ramp-function generator

SERVO (Extended setp, Lin)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 1550, 3020
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r1050 CO: Motor. potentiometer setpoint after the ramp-function generator

SERVO (Extended setp), VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 1550, 3020
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

p1051[0...n] CI: Velocity limit for RFG input in positive direction

SERVO (Extended setp, Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 3050
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	1083[0]

p1051[0...n] CI: Speed limit for RFG input in positive direction of rotation

SERVO (Extended setp), VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 3050
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	1083[0]

p1052[0...n] CI: Velocity limit for RFG input in negative direction

SERVO (Extended setp, Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 3050
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	1086[0]

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p1052[0...n] CI: Speed limit for RFG input in negative direction of rotation

SERVO (Extended setp), VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 3050
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	1086[0]

p1055[0...n] BI: Jog bit 0

SERVO (Extended setp), VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2501, 3030
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1056[0...n] BI: Jog bit 1

SERVO (Extended setp), VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2501, 3030
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1058[0...n] Jog 1 velocity setpoint

SERVO (Extended setp, Lin)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1550, 3030
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

p1058[0...n] Jog 1 speed setpoint

SERVO (Extended setp), VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1550, 3030
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-210000.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1059[0...n] Jog 2 velocity setpoint

SERVO (Extended setp, Lin)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1550, 3030
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

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p1059[0...n] Jog 2 speed setpoint

SERVO (Extended setp), VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1550, 3030
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-210000.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1063[0...n] Velocity limit setpoint channel

SERVO (Extended setp, Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3040
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [m/min]	1000.000 [m/min]	1000.000 [m/min]

p1063[0...n] Speed limit setpoint channel

SERVO (Extended setp)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3040
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [rpm]	210000.000 [rpm]	210000.000 [rpm]

p1063[0...n] Speed limit setpoint channel

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3040
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [rpm]	210000.000 [rpm]	40000.000 [rpm]

p1070[0...n] CI: Main setpoint

SERVO (Extended setp), VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 1550, 3030
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	1024[0]

p1071[0...n] CI: Main setpoint scaling

SERVO (Extended setp), VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 3030
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	1

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r1073 **CO: Main setpoint effective**

SERVO (Extended setp, Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 3030
P-Group: Setpoints **Units group:** 4_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r1073 **CO: Main setpoint effective**

SERVO (Extended setp), VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 3030
P-Group: Setpoints **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

p1075[0...n] **CI: Supplementary setpoint**

SERVO (Extended setp), VECTOR

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 **Dynamic index:** CDS, p0170 **Func. diagram:** 1550, 3030
P-Group: Setpoints **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1076[0...n] **CI: Supplementary setpoint scaling**

SERVO (Extended setp), VECTOR

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 **Dynamic index:** CDS, p0170 **Func. diagram:** 3030
P-Group: Setpoints **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
-	-	1

r1077 **CO: Supplementary setpoint effective**

SERVO (Extended setp, Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 3030
P-Group: Setpoints **Units group:** 4_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r1077 **CO: Supplementary setpoint effective**

SERVO (Extended setp), VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 3030
P-Group: Setpoints **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

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r1078 **CO: Total setpoint effective**

SERVO (Extended setp, Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 3030
P-Group: Setpoints **Units group:** 4_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r1078 **CO: Total setpoint effective**

SERVO (Extended setp), VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 3030
P-Group: Setpoints **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

p1080[0...n] **Minimum velocity**

SERVO (Extended setp, Lin)

Can be changed: C2(1), T **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** 3050
P-Group: Setpoints **Units group:** 4_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

p1080[0...n] **Minimum speed**

SERVO (Extended setp), VECTOR

Can be changed: C2(1), T **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** 3050
P-Group: Setpoints **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.000 [rpm]	19500.000 [rpm]	0.000 [rpm]

p1082[0...n] **Maximum speed**

SERVO

Can be changed: C2(1), T **Calculated:** CALC_MOD_ALL **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** 3020, 3050, 3060, 3070, 3095, 5300
P-Group: Setpoints **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.000 [rpm]	210000.000 [rpm]	1500.000 [rpm]

p1082[0...n] **Maximum velocity**

SERVO (Lin)

Can be changed: C2(1), T **Calculated:** CALC_MOD_ALL **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** 3020, 3050, 3060, 3070, 3095, 5300
P-Group: Setpoints **Units group:** 4_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.000 [m/min]	1000.000 [m/min]	1000.000 [m/min]

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p1082[0...n] Maximum speed

VECTOR

Can be changed: C2(1), T
Calculated: CALC_MOD_ALL
Access level: 1
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 3020, 3050, 3060, 3070, 3095, 6732
P-Group: Setpoints
Units group: 3_1
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.000 [rpm]	210000.000 [rpm]	1500.000 [rpm]

p1083[0...n] CO: Speed limit in positive direction of rotation

SERVO

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 3050
P-Group: Setpoints
Units group: 3_1
Unit selection: p0505
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
0.000 [rpm]	210000.000 [rpm]	210000.000 [rpm]

p1083[0...n] CO: Velocity limit positive direction

SERVO (Lin)

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 3050
P-Group: Setpoints
Units group: 4_1
Unit selection: p0505
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
0.000 [m/min]	1000.000 [m/min]	1000.000 [m/min]

p1083[0...n] CO: Speed limit in positive direction of rotation

VECTOR

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 3050
P-Group: Setpoints
Units group: 3_1
Unit selection: p0505
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
0.000 [rpm]	210000.000 [rpm]	40000.000 [rpm]

r1084 CO: Speed limit positive effective

SERVO, VECTOR

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 3050, 3095, 5030, 5042, 5210, 6640, 7020, 8010
P-Group: Setpoints
Units group: 3_1
Unit selection: p0505
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

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r1084 CO: Velocity limit positive effective

SERVO (Lin)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 3050, 3095, 5030, 5042, 5210, 6640, 7020, 8010
P-Group: Setpoints
Units group: 4_1
Unit selection: p0505
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

p1085[0...n] CI: Velocity limit positive direction

SERVO (Extended setp, Lin)

Can be changed: T
Calculated: -
Access level: 3
Data type: Unsigned32 / FloatingPoint32
Dynamic index: CDS, p0170
Func. diagram: 3050
P-Group: Setpoints
Units group: -
Unit selection: -
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
-	-	1083[0]

p1085[0...n] CI: Speed limit in positive direction of rotation

SERVO (Extended setp), VECTOR

Can be changed: T
Calculated: -
Access level: 3
Data type: Unsigned32 / FloatingPoint32
Dynamic index: CDS, p0170
Func. diagram: 3050
P-Group: Setpoints
Units group: -
Unit selection: -
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
-	-	1083[0]

p1086[0...n] CO: Speed limit negative direction of rotation

SERVO

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 3050
P-Group: Setpoints
Units group: 3_1
Unit selection: p0505
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
-210000.000 [rpm]	0.000 [rpm]	-210000.000 [rpm]

p1086[0...n] CO: Velocity limit negative direction

SERVO (Lin)

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 3050
P-Group: Setpoints
Units group: 4_1
Unit selection: p0505
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
-1000.000 [m/min]	0.000 [m/min]	-1000.000 [m/min]

p1086[0...n] CO: Speed limit negative direction of rotation

VECTOR

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 3050
P-Group: Setpoints
Units group: 3_1
Unit selection: p0505
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
-210000.000 [rpm]	0.000 [rpm]	-40000.000 [rpm]

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r1087 **CO: Speed limit negative effective**

SERVO, VECTOR

Can be changed: -	**Calculated:** -	**Access level:** 3
Data type: FloatingPoint32	**Dynamic index:** -	**Func. diagram:** 3050, 3095, 5030, 5042, 5210, 6640, 7020, 8010
P-Group: Setpoints	**Units group:** 3_1	**Unit selection:** p0505
Not for motor type: -	**Scaling:** p2000	**Expert list:** 1
Min - [rpm]	**Max** - [rpm]	**Factory setting** - [rpm]

r1087 **CO: Velocity limit negative effective**

SERVO (Lin)

Can be changed: -	**Calculated:** -	**Access level:** 3
Data type: FloatingPoint32	**Dynamic index:** -	**Func. diagram:** 3050, 3095, 5030, 5042, 5210, 6640, 7020, 8010
P-Group: Setpoints	**Units group:** 4_1	**Unit selection:** p0505
Not for motor type: -	**Scaling:** p2000	**Expert list:** 1
Min - [m/min]	**Max** - [m/min]	**Factory setting** - [m/min]

p1088[0...n] **CI: Velocity limit negative direction**

SERVO (Extended setp, Lin)

Can be changed: T	**Calculated:** -	**Access level:** 3
Data type: Unsigned32 / FloatingPoint32	**Dynamic index:** CDS, p0170	**Func. diagram:** 3050
P-Group: Setpoints	**Units group:** -	**Unit selection:** -
Not for motor type: -	**Scaling:** p2000	**Expert list:** 1
Min -	**Max** -	**Factory setting** 1086[0]

p1088[0...n] **CI: Speed limit negative direction of rotation**

SERVO (Extended setp), VECTOR

Can be changed: T	**Calculated:** -	**Access level:** 3
Data type: Unsigned32 / FloatingPoint32	**Dynamic index:** CDS, p0170	**Func. diagram:** 3050
P-Group: Setpoints	**Units group:** -	**Unit selection:** -
Not for motor type: -	**Scaling:** p2000	**Expert list:** 1
Min -	**Max** -	**Factory setting** 1086[0]

p1091[0...n] **Skip velocity 1**

SERVO (Extended setp, Lin)

Can be changed: U, T	**Calculated:** -	**Access level:** 3
Data type: FloatingPoint32	**Dynamic index:** DDS, p0180	**Func. diagram:** 3050
P-Group: Setpoints	**Units group:** 4_1	**Unit selection:** p0505
Not for motor type: -	**Scaling:** p2000	**Expert list:** 1
Min 0.000 [m/min]	**Max** 1000.000 [m/min]	**Factory setting** 0.000 [m/min]

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p1091[0...n] Skip speed 1

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3050
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
0.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1092[0...n] Skip velocity 2

SERVO (Extended setp, Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3050
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
0.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

p1092[0...n] Skip speed 2

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3050
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
0.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1093[0...n] Skip velocity 3

SERVO (Extended setp, Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3050
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
0.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

p1093[0...n] Skip speed 3

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3050
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
0.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1094[0...n] Skip velocity 4

SERVO (Extended setp, Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3050
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
0.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

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p1094[0...n] Skip speed 4

SERVO (Extended setp), VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Setpoints
Not for motor type: -

Calculated: -
Dynamic index: DDS, p0180
Units group: 3_1
Scaling: p2000

Access level: 3
Func. diagram: 3050
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
0.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1101[0...n] Skip velocity bandwidth

SERVO (Extended setp, Lin)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Setpoints
Not for motor type: -

Calculated: -
Dynamic index: DDS, p0180
Units group: 4_1
Scaling: p2000

Access level: 3
Func. diagram: 3050
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
0.000 [m/min]	1000.000 [m/min]	0.000 [m/min]

p1101[0...n] Skip speed bandwidth

SERVO (Extended setp), VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Setpoints
Not for motor type: -

Calculated: -
Dynamic index: DDS, p0180
Units group: 3_1
Scaling: p2000

Access level: 3
Func. diagram: 3050
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
0.000 [rpm]	210000.000 [rpm]	0.000 [rpm]

p1110[0...n] BI: Inhibit negative direction

SERVO (Extended setp), VECTOR

Can be changed: T
Data type: Unsigned32 / Binary
P-Group: Setpoints
Not for motor type: -

Calculated: -
Dynamic index: CDS, p0170
Units group: -
Scaling: -

Access level: 3
Func. diagram: 2505, 3040
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p1111[0...n] BI: Inhibit positive direction

SERVO (Extended setp), VECTOR

Can be changed: T
Data type: Unsigned32 / Binary
P-Group: Setpoints
Not for motor type: -

Calculated: -
Dynamic index: CDS, p0170
Units group: -
Scaling: -

Access level: 3
Func. diagram: 2505, 3040
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

r1112 CO: Velocity setpoint after minimum limiting

SERVO (Extended setp, Lin)

Can be changed: -
Data type: FloatingPoint32
P-Group: Setpoints
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: 4_1
Scaling: p2000

Access level: 3
Func. diagram: 3050
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

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r1112 CO: Speed setpoint after minimum limiting

SERVO (Extended setp), VECTOR

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 3050
P-Group: Setpoints
Units group: 3_1
Unit selection: p0505
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

p1113[0...n] BI: Setpoint inversion

SERVO (Extended setp), VECTOR

Can be changed: T
Calculated: -
Access level: 3
Data type: Unsigned32 / Binary
Dynamic index: CDS, p0170
Func. diagram: 2441, 2442, 2505, 3040
P-Group: Setpoints
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0

r1114 CO: Setpoint after the direction limiting

SERVO (Extended setp, Lin)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 1550, 3040, 3050
P-Group: Setpoints
Units group: 4_1
Unit selection: p0505
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r1114 CO: Setpoint after the direction limiting

SERVO (Extended setp), VECTOR

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 1550, 3040, 3050
P-Group: Setpoints
Units group: 3_1
Unit selection: p0505
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

p1115 Ramp-function generator selection

SERVO (Extended setp), VECTOR

Can be changed: T
Calculated: -
Access level: 3
Data type: Integer16
Dynamic index: -
Func. diagram: 1550, 3080
P-Group: Setpoints
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	1	0

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r1119 **CO: Ramp-function generator setpoint at the input**

SERVO (Extended setp, Lin)

Can be changed: -	**Calculated:** -	**Access level:** 3
Data type: FloatingPoint32	**Dynamic index:** -	**Func. diagram:** 1550, 1750, 3050, 3060, 3070, 5030
P-Group: Setpoints	**Units group:** 4_1	**Unit selection:** p0505
Not for motor type: -	**Scaling:** p2000	**Expert list:** 1
Min	**Max**	**Factory setting**
- [m/min]	- [m/min]	- [m/min]

r1119 **CO: Ramp-function generator setpoint at the input**

SERVO (Extended setp), VECTOR

Can be changed: -	**Calculated:** -	**Access level:** 3
Data type: FloatingPoint32	**Dynamic index:** -	**Func. diagram:** 1550, 1690, 1750, 3050, 3060, 3070, 5030, 6031
P-Group: Setpoints	**Units group:** 3_1	**Unit selection:** p0505
Not for motor type: -	**Scaling:** p2000	**Expert list:** 1
Min	**Max**	**Factory setting**
- [rpm]	- [rpm]	- [rpm]

p1120[0...n] **Ramp-function generator ramp-up time**

SERVO (Extended setp, Lin)

Can be changed: C2(1), U, T	**Calculated:** -	**Access level:** 1
Data type: FloatingPoint32	**Dynamic index:** DDS, p0180	**Func. diagram:** 3060, 3070
P-Group: Setpoints	**Units group:** -	**Unit selection:** -
Not for motor type: -	**Scaling:** -	**Expert list:** 1
Min	**Max**	**Factory setting**
0.000 [s]	999999.000 [s]	10.000 [s]

p1120[0...n] **Ramp-function generator ramp-up time**

SERVO (Extended setp)

Can be changed: C2(1), U, T	**Calculated:** -	**Access level:** 1
Data type: FloatingPoint32	**Dynamic index:** DDS, p0180	**Func. diagram:** 3060, 3070
P-Group: Setpoints	**Units group:** -	**Unit selection:** -
Not for motor type: -	**Scaling:** -	**Expert list:** 1
Min	**Max**	**Factory setting**
0.000 [s]	999999.000 [s]	10.000 [s]

p1120[0...n] **Ramp-function generator ramp-up time**

VECTOR

Can be changed: C2(1), U, T	**Calculated:** -	**Access level:** 1
Data type: FloatingPoint32	**Dynamic index:** DDS, p0180	**Func. diagram:** 3060, 3070
P-Group: Setpoints	**Units group:** -	**Unit selection:** -
Not for motor type: -	**Scaling:** -	**Expert list:** 1
Min	**Max**	**Factory setting**
0.000 [s]	999999.000 [s]	10.000 [s]

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p1121[0...n] Ramp-function generator ramp-down time

SERVO, VECTOR

Can be changed: C2(1), U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3060, 3070
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	999999.000 [s]	10.000 [s]

p1121[0...n] Ramp-function generator ramp-down time

SERVO (Lin)

Can be changed: C2(1), U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3060, 3070
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	999999.000 [s]	0.000 [s]

p1122[0...n] BI: Bypass ramp-function generator

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2505
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1130[0...n] Ramp-function generator initial rounding-off time

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3070
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	30.000 [s]	0.000 [s]

p1131[0...n] Ramp-function generator final rounding-off time

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3070
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	30.000 [s]	0.000 [s]

p1134[0...n] Ramp-function generator rounding-off type

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3070
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

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p1135[0...n] OFF3 ramp-down time

SERVO

Can be changed: C2(1), U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3060, 3070
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	600.000 [s]	0.000 [s]

p1135[0...n] OFF3 ramp-down time

SERVO (Lin)

Can be changed: C2(1), U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3060, 3070
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	600.000 [s]	0.000 [s]

p1135[0...n] OFF3 ramp-down time

VECTOR

Can be changed: C2(1), U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3060, 3070
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	600.000 [s]	3.000 [s]

p1136[0...n] OFF3 initial rounding-off time

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3070, 3080
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	30.000 [s]	0.000 [s]

p1137[0...n] OFF3 final rounding-off time

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3070
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	30.000 [s]	0.000 [s]

p1140[0...n] BI: Ramp-function generator enable

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2442, 2443, 2501
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

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p1140 BI: Ramp-function generator enable

TM41

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9677
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p1141[0...n] BI: Start ramp-function generator

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2442, 2443, 2501
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p1141 BI: Start ramp-function generator

TM41

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9677
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p1142[0...n] BI: Speed setpoint enable

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2441, 2442, 2443, 2501, 2711
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p1142[0...n] BI: Velocity setpoint enable

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2441, 2442, 2443, 2501, 2711
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

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p1142 BI: Speed setpoint enable

TM41

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9674, 9677
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p1143[0...n] BI: Ramp-function generator, accept setting value

SERVO (Extended setp), VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 3060, 3070
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1144[0...n] CI: Ramp-function generator setting value

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 3060, 3070
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1145[0...n] Ramp-function generator tracking intensity.

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3080
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0	50.0	1.3

p1148[0...n] Ramp-function gen., tolerance for ramp-up and ramp-down active

SERVO (Extended setp, Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3060, 3070
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	10.00 [m/min]	0.20 [m/min]

p1148[0...n] Ramp-function gen., tolerance for ramp-up and ramp-down active

SERVO (Extended setp), VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3060, 3070
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	1000.00 [rpm]	19.80 [rpm]

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r1149 **CO: Ramp-function generator, acceleration**

SERVO (Extended setp, Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 3060, 3070
P-Group: Setpoints **Units group:** 22_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2007 **Expert list:** 1

Min **Max** **Factory setting**
- [m/s²] - [m/s²] - [m/s²]

r1149 **CO: Ramp-function generator, acceleration**

SERVO (Extended setp), VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 3060, 3070
P-Group: Setpoints **Units group:** 39_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2007 **Expert list:** 1

Min **Max** **Factory setting**
- [rev/s²] - [rev/s²] - [rev/s²]

r1150 **CO: Ramp-function generator velocity setpoint at the output**

SERVO (Extended setp, Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1550, 3060, 3070, 3080
P-Group: Setpoints **Units group:** 4_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min **Max** **Factory setting**
- [m/min] - [m/min] - [m/min]

r1150 **CO: Ramp-function generator speed setpoint at the output**

SERVO (Extended setp), VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1550, 3060, 3070, 3080
P-Group: Setpoints **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min **Max** **Factory setting**
- [rpm] - [rpm] - [rpm]

p1151[0...n] **Ramp-function generator configuration**

SERVO (Extended setp), VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** DDS, p0180 **Func. diagram:** 3070
P-Group: Setpoints **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min **Max** **Factory setting**
- - 0000 bin

p1152 **BI: Setpoint 2 enable**

SERVO (Extended brk), VECTOR (Extended brk)

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / Binary **Dynamic index:** - **Func. diagram:** 2711, 4015
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min **Max** **Factory setting**
- - 899.15

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p1155[0...n] CI: Speed controller speed setpoint 1

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 1550, 3080, 5030, 6031
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1155[0...n] CI: Velocity controller, velocity setpoint 1

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 1550, 3080, 5030, 6031
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1155 CI: TM41 incremental encoder emulation speed setpoint 1

TM41

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9674
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1160[0...n] CI: Speed controller speed setpoint 2

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 1550, 3080, 6031
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1160[0...n] CI: Velocity controller, velocity setpoint 2

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 1550, 3080, 6031
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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r1169 CO: Speed controller, speed setpoints 1 and 2

SERVO, VECTOR

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 3080
P-Group: Setpoints
Units group: 3_1
Unit selection: p0505
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r1169 CO: Velocity controller, velocity setpoints 1 and 2

SERVO (Lin)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 3080
P-Group: Setpoints
Units group: 4_1
Unit selection: p0505
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r1170 CO: Speed controller, setpoint sum

SERVO, VECTOR

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 1550, 1690, 3080, 5020, 6030
P-Group: Setpoints
Units group: 3_1
Unit selection: p0505
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r1170 CO: Velocity controller, setpoint sum

SERVO (Lin)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 1550, 3080, 5020
P-Group: Setpoints
Units group: 4_1
Unit selection: p0505
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

p1189[0...n] Speed setpoint configuration

SERVO, VECTOR

Can be changed: U, T
Calculated: -
Access level: 2
Data type: Unsigned16
Dynamic index: DDS, p0180
Func. diagram: 3080
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0011 bin

p1189[0...n] Velocity setpoint configuration

SERVO (Lin)

Can be changed: U, T
Calculated: -
Access level: 2
Data type: Unsigned16
Dynamic index: DDS, p0180
Func. diagram: 3080
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0011 bin

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p1189 Incremental encoder emulation configuration

TM41

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 9674
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0010 bin

p1190 CI: DSC position deviation XERR

SERVO

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Integer32 | **Dynamic index:** - | **Func. diagram:** 1550, 3090
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1191 CI: DSC position controller gain KPC

SERVO

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 1550, 3090
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1192[0...n] DSC enc selection

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3090
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	3	1

p1193[0...n] DSC encoder adaptation factor

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3090
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	1000000.000	1.000

r1197 Fixed velocity setpoint, current number

SERVO (Extended setp, Lin)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 3010
P-Group: Setpoints | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r1197 Fixed speed setpoint, current number

SERVO (Extended setp), VECTOR

Can be changed: -
Calculated: -
Access level: 3
Data type: Unsigned32
Dynamic index: -
Func. diagram: 3010
P-Group: Setpoints
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r1198.0...15 CO/BO: Control word setpoint channel

SERVO (Extended setp), VECTOR

Can be changed: -
Calculated: -
Access level: 3
Data type: Unsigned16
Dynamic index: -
Func. diagram: 1530, 2505
P-Group: Setpoints
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r1199.0...6 CO/BO: Ramp-function generator status word

SERVO (Extended setp), VECTOR

Can be changed: -
Calculated: -
Access level: 3
Data type: Unsigned16
Dynamic index: -
Func. diagram: 1550, 3080, 8010
P-Group: Setpoints
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p1200[0...n] FlyRest oper mode

VECTOR

Can be changed: U, T
Calculated: -
Access level: 2
Data type: Integer16
Dynamic index: DDS, p0180
Func. diagram: 1690
P-Group: Functions
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	6	0

p1202[0...n] FlyRest srch curr

VECTOR

Can be changed: U, T
Calculated: -
Access level: 4
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: -
P-Group: Functions
Units group: -
Unit selection: -
Not for motor type: PEM, REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
10 [%]	400 [%]	100 [%]

p1203[0...n] Flying restart search rate factor

VECTOR

Can be changed: U, T
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: -
P-Group: Functions
Units group: -
Unit selection: -
Not for motor type: PEM, REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
10 [%]	4000 [%]	100 [%]

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r1204.0...13 CO/BO: Flying restart, V/f control status

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Functions **Units group:** - **Unit selection:** -
Not for motor type: PEM, REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r1205.0...15 CO/BO: Flying restart, vector control status

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Functions **Units group:** - **Unit selection:** -
Not for motor type: PEM, REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p1207 BI: AR connection following drive object

A_INF, B_INF, S_INF

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / Binary **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1208[0...1] BI: AR modification infeed

SERVO, VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / Binary **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1210 Automatic restart, mode

A_INF, B_INF, S_INF

Can be changed: U, T **Calculated:** - **Access level:** 2
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Functions **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	6	0

p1210 Automatic restart, mode

SERVO, VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 2
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Functions **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	6	0

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p1211 Automatic restart, start attempts

A_INF, B_INF, S_INF

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	10	3

p1211 Automatic restart, start attempts

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	10	3

p1212 Automatic restart, delay time start attempts

A_INF, B_INF, S_INF

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.1 [s]	600.0 [s]	1.0 [s]

p1212 Automatic restart, delay time start attempts

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.1 [s]	600.0 [s]	1.0 [s]

p1213 Automatic restart, monitoring time line supply return

A_INF, B_INF, S_INF

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [s]	1999.0 [s]	0.0 [s]

p1213 Automatic restart, monitoring time line supply return

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [s]	1999.0 [s]	0.0 [s]

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r1214.0...15 CO/BO: Automatic restart, status

A_INF, B_INF, S_INF

Can be changed: -
Calculated: -
Access level: 3
Data type: Unsigned16
Dynamic index: -
Func. diagram: -
P-Group: Functions
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r1214.0...15 CO/BO: Automatic restart, status

SERVO, VECTOR

Can be changed: -
Calculated: -
Access level: 3
Data type: Unsigned16
Dynamic index: -
Func. diagram: -
P-Group: Functions
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p1215 Motor holding brake configuration

SERVO, VECTOR

Can be changed: U, T
Calculated: -
Access level: 2
Data type: Integer16
Dynamic index: -
Func. diagram: 2701, 2707, 2711
P-Group: Functions
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	3	0

p1216 Motor holding brake, opening time

SERVO, VECTOR

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 2701, 2711
P-Group: Functions
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0 [ms]	10000 [ms]	100 [ms]

p1217 Motor holding brake closing time

SERVO, VECTOR

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 2701, 2711
P-Group: Functions
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0 [ms]	10000 [ms]	100 [ms]

p1218[0...1] BI: Open motor holding brake

SERVO (Extended brk), VECTOR (Extended brk)

Can be changed: T
Calculated: -
Access level: 2
Data type: Unsigned32 / Binary
Dynamic index: -
Func. diagram: 2707
P-Group: Functions
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	1

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p1219[0...3] BI: Immediately close motor holding brake

SERVO (Extended brk), VECTOR (Extended brk)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2707
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	[0] 0 [1] 0 [2] 0 [3] 1229.9

p1220 CI: Open motor holding brake, signal source, threshold

SERVO (Extended brk), VECTOR (Extended brk)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2707
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p1221 Open motor holding brake, threshold

SERVO (Extended brk), VECTOR (Extended brk)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2707
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	200.00 [%]	0.00 [%]

p1222 BI: Motor holding brake feedback signal brake closed

SERVO (Extended brk), VECTOR (Extended brk)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2711
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1223 BI: Motor holding brake feedback signal brake open

SERVO (Extended brk), VECTOR (Extended brk)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2711
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

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p1224[0...3] BI: Close motor holding brake at standstill

SERVO (Extended brk), VECTOR (Extended brk)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2704
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1225 CI: Standstill detection, threshold value

SERVO (Extended brk), VECTOR (Extended brk)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2704
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	63[0]

p1226 Threshold for zero speed detection

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2701, 2704
P-Group: Functions | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [rpm]	210000.0 [rpm]	20.0 [rpm]

p1226 Standstill detection, velocity threshold

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2701, 2704
P-Group: Functions | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [m/min]	1000.0 [m/min]	0.2 [m/min]

p1227 Zero speed detection monitoring time

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2701, 2704
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	300.000 [s]	4.000 [s]

p1228 Pulse suppression delay time

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2701, 2704
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	10.000 [s]	0.000 [s]

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r1229.1...11 CO/BO: Motor holding brake status word

SERVO (Extended brk), VECTOR (Extended brk)

Can be changed: -
Data type: Unsigned32
P-Group: Functions
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p1230[0...n] BI: Armature short-circuit / DC brake activation

SERVO, VECTOR

Can be changed: T
Data type: Unsigned32 / Binary
P-Group: Functions
Not for motor type: -
Calculated: -
Dynamic index: CDS, p0170
Units group: -
Scaling: -
Access level: 1
Func. diagram: 7014, 7016, 7017
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p1231[0...n] Armature short-circuit / DC brake configuration

SERVO, VECTOR

Can be changed: U, T
Data type: Integer16
P-Group: Functions
Not for motor type: -
Calculated: -
Dynamic index: MDS, p0130
Units group: -
Scaling: -
Access level: 1
Func. diagram: 7014, 7016, 7017
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	4	0

p1232[0...n] DC braking, braking current

SERVO

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Functions
Not for motor type: PEM, REL, FEM
Calculated: -
Dynamic index: MDS, p0130
Units group: -
Scaling: -
Access level: 1
Func. diagram: 7017
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [Arms]	10000.00 [Arms]	0.00 [Arms]

p1232[0...n] DC braking, braking current

VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Functions
Not for motor type: PEM, REL, FEM
Calculated: CALC_MOD_ALL
Dynamic index: MDS, p0130
Units group: -
Scaling: -
Access level: 1
Func. diagram: 7017
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [Arms]	10000.00 [Arms]	0.00 [Arms]

p1233[0...n] DC braking time

SERVO, VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Functions
Not for motor type: PEM, REL, FEM
Calculated: -
Dynamic index: MDS, p0130
Units group: -
Scaling: -
Access level: 1
Func. diagram: 7017
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.0 [s]	3600.0 [s]	1.0 [s]

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p1234[0...n] Speed at the start of DC braking

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 7017
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	210000.00 [rpm]

p1234[0...n] DC braking, starting velocity

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 7017
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	1000.00 [m/min]	1000.00 [m/min]

p1234[0...n] Speed at the start of DC braking

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** 7017
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	40000.00 [rpm]

p1235[0...n] BI: External armature short-circuit, contactor feedback signal

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** -
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1236[0...n] Ext. armature short-cct., contactor feedback signal monit. time

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	1000 [ms]	200 [ms]

p1237[0...n] External armature short-circuit, waiting time when opening

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	1000 [ms]	200 [ms]

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r1238 **CO: Armature short-circuit, external state**

SERVO, VECTOR

Can be changed: -
Calculated: -
Access level: 1
Data type: Integer16
Dynamic index: -
Func. diagram: 2610
P-Group: Functions
Units group: -
Unit selection: -
Not for motor type: ASM
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	6	-

r1239.0...10 **CO/BO: Armature short-circuit / DC brake status word**

SERVO, VECTOR

Can be changed: -
Calculated: -
Access level: 1
Data type: Unsigned32
Dynamic index: -
Func. diagram: -
P-Group: Functions
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p1240[0...n] **Vdc controller or Vdc monitoring configuration**

SERVO

Can be changed: U, T
Calculated: -
Access level: 3
Data type: Integer16
Dynamic index: DDS, p0180
Func. diagram: 5650
P-Group: Functions
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	9	0

p1240[0...n] **Vdc controller or Vdc monitoring configuration**

VECTOR (n/M)

Can be changed: U, T
Calculated: -
Access level: 3
Data type: Integer16
Dynamic index: DDS, p0180
Func. diagram: 6220
P-Group: Functions
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	6	1

r1242 **Vdc_max controller switch-in level**

VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 6220
P-Group: Functions
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: p2001
Expert list: 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

p1243[0...n] **Vdc_max controller dynamic factor**

VECTOR (n/M)

Can be changed: U, T
Calculated: CALC_MOD_CON
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 6220
P-Group: Functions
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
1 [%]	10000 [%]	100 [%]

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p1244[0...n] DC link voltage threshold upper

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5650
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
165 [V]	1200 [V]	750 [V]

p1245[0...n] Vdc_min controller switch-in level (kinetic buffering)

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6220
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
65 [%]	150 [%]	76 [%]

r1246 Vdc_min controller switch-in level (kinetic buffering)

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6220
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** p2001 | **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

p1247[0...n] Vdc_min controller dynamic factor (kinetic buffering)

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6220
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1 [%]	10000 [%]	100 [%]

p1248[0...n] DC link voltage threshold lower

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5650
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
100 [V]	1000 [V]	450 [V]

p1249[0...n] Vdc_max controller speed threshold

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Functions | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [rpm]	210000.0 [rpm]	10.0 [rpm]

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p1250[0...n] Vdc controller proportional gain

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5650
P-Group: Functions | **Units group:** 19_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [A/V]	10.00 [A/V]	1.00 [A/V]

p1250[0...n] Vdc controller proportional gain

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6220
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00	100.00	1.00

p1251[0...n] Vdc controller integral time

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6220
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	10000 [ms]	0 [ms]

p1252[0...n] Vdc controller rate time

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6220
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	1000 [ms]	0 [ms]

p1254 Vdc_max controller automatic ON level detection

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 6220
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	1

p1255[0...n] Vdc_min controller time threshold

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	10000.000 [s]	0.000 [s]

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p1256[0...n] Vdc_min controller response (kinetic buffering)

VECTOR (n/M)

Can be changed: U, T
Data type: Integer16
P-Group: Functions
Not for motor type: REL

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	1	0

p1257[0...n] Vdc_min controller speed threshold

VECTOR (n/M)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Functions
Not for motor type: REL

Calculated: CALC_MOD_ALL
Dynamic index: DDS, p0180
Units group: 3_1
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
0.0 [rpm]	210000.0 [rpm]	50.0 [rpm]

r1258 CO: Vdc controller output

VECTOR (n/M)

Can be changed: -
Data type: FloatingPoint32
P-Group: Functions
Not for motor type: REL

Calculated: -
Dynamic index: -
Units group: 6_2
Scaling: p2002

Access level: 3
Func. diagram: 6220
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

p1260 Bypass configuration

VECTOR (Tech_ctrl)

Can be changed: U, T
Data type: Integer16
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	3	0

r1261.0...9 CO/BO: Bypass control/status word

VECTOR (Tech_ctrl)

Can be changed: -
Data type: Unsigned32
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p1262[0...n] Bypass dead time

VECTOR (Tech_ctrl)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: -
Not for motor type: -

Calculated: CALC_MOD_REG
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.000 [s]	20.000 [s]	1.000 [s]

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p1263 Debypass delay time

VECTOR (Tech_ctrl)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.000 [s]	300.000 [s]	1.000 [s]

p1264 Bypass delay time

VECTOR (Tech_ctrl)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.000 [s]	300.000 [s]	1.000 [s]

p1265 Bypass speed threshold

VECTOR (Tech_ctrl)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: -
Not for motor type: REL

Calculated: -
Dynamic index: -
Units group: 3_1
Scaling: p2000

Access level: 2
Func. diagram: -
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
0 [rpm]	210000 [rpm]	1480 [rpm]

p1266 BI: Bypass, control command

VECTOR (Tech_ctrl)

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p1267 Bypass changeover source configuration

VECTOR (Tech_ctrl)

Can be changed: U, T
Data type: Unsigned8
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

p1268 BI: Bypass, feedback synchronization completed

VECTOR (Tech_ctrl)

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	3819.2

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p1269[0...1] BI: Bypass switch feedback signal

VECTOR (Tech_ctrl)

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p1272 Simulation mode

VECTOR

Can be changed: T
Data type: Integer16
P-Group: Functions
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	1	0

p1274[0...1] Bypass switch monitoring time

VECTOR (Tech_ctrl)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0 [ms]	5000 [ms]	1000 [ms]

p1275 Motor holding brake control word

SERVO (Extended brk), VECTOR (Extended brk)

Can be changed: U, T
Data type: Unsigned32
P-Group: Functions
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

p1276 Motor holding brake, standstill detection, bypass

SERVO (Extended brk), VECTOR (Extended brk)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Functions
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 2704
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.000 [s]	300.000 [s]	300.000 [s]

p1277 Motor holding brake, braking threshold delay exceeded

SERVO (Extended brk), VECTOR (Extended brk)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Functions
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 2707
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.000 [s]	300.000 [s]	0.000 [s]

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p1278 Brake control, diagnostics evaluation

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

p1279[0...3] BI: Motor holding brake, OR/AND logic operation

SERVO (Extended brk), VECTOR (Extended brk)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2707
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1280[0...n] Vdc controller or Vdc monitoring configuration (V/f)

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1690, 6320
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	6	1

r1282 Vdc_max controller switch-in level (V/f)

VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6320
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2001 | **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

p1283[0...n] Vdc_max controller dynamic factor (V/f)

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1 [%]	10000 [%]	100 [%]

p1285[0...n] Vdc_min controller switch-in level (kinetic buffering) (V/f)

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
65 [%]	150 [%]	76 [%]

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r1286 Vdc_min controller switch-in level (kinetic buffering) (V/f)

VECTOR

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 6320
P-Group: Functions
Units group: -
Unit selection: -
Not for motor type: -
Scaling: p2001
Expert list: 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

p1287[0...n] Vdc_min controller dynamic factor (kinetic buffering) (V/f)

VECTOR

Can be changed: U, T
Calculated: CALC_MOD_CON
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: -
P-Group: Functions
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
1 [%]	10000 [%]	100 [%]

p1288[0...n] Vdc_max controller feedback coupling factor ramp-fct. gen. (V/f)

VECTOR

Can be changed: U, T
Calculated: -
Access level: 4
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: -
P-Group: Functions
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.0	100.0	0.5

p1289[0...n] Vdc_max controller speed threshold (V/f)

VECTOR

Can be changed: U, T
Calculated: CALC_MOD_ALL
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: -
P-Group: Functions
Units group: 3_1
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.0 [rpm]	210000.0 [rpm]	10.0 [rpm]

p1290[0...n] Vdc controller proportional gain (V/f)

VECTOR

Can be changed: U, T
Calculated: CALC_MOD_CON
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 6320
P-Group: Functions
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00	100.00	1.00

p1291[0...n] Vdc controller integral time (V/f)

VECTOR

Can be changed: U, T
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 6320
P-Group: Functions
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0 [ms]	10000 [ms]	40 [ms]

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p1292[0...n] Vdc controller rate time (V/f)

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6320
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	1000 [ms]	10 [ms]

p1293[0...n] Vdc controller output limit (V/f)

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6320
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [Hz]	600.0 [Hz]	10.0 [Hz]

p1294 Vdc_max controller automatic detection ON signal level (V/f)

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

p1295[0...n] Vdc_min controller time threshold (V/f)

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	10000.000 [s]	0.000 [s]

p1296[0...n] Vdc_min controller response (kinetic buffering) (V/f

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

p1297[0...n] Vdc_min controller speed threshold (V/f)

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Functions | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [rpm]	210000.0 [rpm]	50.0 [rpm]

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r1298 CO: Vdc controller output (V/f)

VECTOR

Can be changed: -
Data type: FloatingPoint32
P-Group: Functions
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: 3_1
Scaling: p2000

Access level: 3
Func. diagram: 6320
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

p1300[0...n] Open-loop/closed-loop control operating mode

SERVO

Can be changed: C2(1), T
Data type: Integer16
P-Group: V/f open-loop control
Not for motor type: -

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 2
Func. diagram: 1590, 4710, 5060, 8012
Unit selection: -
Expert list: 1

Min	Max	Factory setting
20	23	21

p1300[0...n] Open-loop/closed-loop control operating mode

VECTOR

Can be changed: C2(1), T
Data type: Integer16
P-Group: V/f open-loop control
Not for motor type: -

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 2
Func. diagram: 1690, 6300, 6310, 6320
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	19	0

p1300[0...n] Open-loop/closed-loop control operating mode

VECTOR (n/M)

Can be changed: C2(1), T
Data type: Integer16
P-Group: V/f open-loop control
Not for motor type: -

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 2
Func. diagram: 1690, 1700, 6300, 8012
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	23	20

p1310[0...n] Voltage boost permanent

VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: V/f open-loop control
Not for motor type: -

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 2
Func. diagram: 1690, 6300
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.0 [%]	250.0 [%]	50.0 [%]

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p1311[0...n] Voltage boost at acceleration

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1690, 6300
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	250.0 [%]	0.0 [%]

r1315 Voltage boost total

VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6300
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2001 | **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

p1317[0...n] V/f control diagnostics activation

SERVO

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1590, 5730
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

p1318[0...n] V/f control ramp-up/ramp-down time

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5300
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	999999.000 [s]	10.000 [s]

p1319[0...n] V/f control voltage at zero frequency

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_REG | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5300
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [Vrms]	50.0 [Vrms]	0.0 [Vrms]

p1320[0...n] V/f control programmable characteristic frequency 1

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6300
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [Hz]	3000.00 [Hz]	0.00 [Hz]

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p1321[0...n] V/f control programmable characteristic voltage 1

VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: V/f open-loop control
Not for motor type: -

Calculated: CALC_MOD_ALL
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: 6300
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.0 [Vrms]	10000.0 [Vrms]	0.0 [Vrms]

p1322[0...n] V/f control programmable characteristic frequency 2

VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: V/f open-loop control
Not for motor type: -

Calculated: CALC_MOD_ALL
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: 6300
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [Hz]	3000.00 [Hz]	0.00 [Hz]

p1323[0...n] V/f control programmable characteristic voltage 2

VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: V/f open-loop control
Not for motor type: -

Calculated: CALC_MOD_ALL
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: 6300
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.0 [Vrms]	10000.0 [Vrms]	0.0 [Vrms]

p1324[0...n] V/f control programmable characteristic frequency 3

VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: V/f open-loop control
Not for motor type: -

Calculated: CALC_MOD_ALL
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: 6300
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [Hz]	3000.00 [Hz]	0.00 [Hz]

p1325[0...n] V/f control programmable characteristic voltage 3

VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: V/f open-loop control
Not for motor type: -

Calculated: CALC_MOD_ALL
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: 6300
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.0 [Vrms]	10000.0 [Vrms]	0.0 [Vrms]

p1326[0...n] V/f control programmable characteristic frequency 4

SERVO, VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: V/f open-loop control
Not for motor type: -

Calculated: CALC_MOD_REG
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: 5300, 6300
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [Hz]	10000.00 [Hz]	0.00 [Hz]

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p1327[0...n] V/f control programmable characteristic voltage 4

SERVO, VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_REG | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5300, 6300
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [Vrms]	10000.0 [Vrms]	0.0 [Vrms]

p1330[0...n] CI: V/f control independent voltage setpoint

VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** -
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2001 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1335[0...n] Slip compensation, scaling

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1690, 6310
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	600.0 [%]	0.0 [%]

p1336[0...n] Slip compensation limit value

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6310
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	600.00 [%]	250.00 [%]

r1337 Actual slip compensation

VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6310
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

p1338[0...n] V/f mode resonance damping gain

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1690, 6310
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00	100.00	0.00

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p1339[0...n] V/f mode resonance damping filter time constant

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6310
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1.00 [ms]	1000.00 [ms]	20.00 [ms]

p1340[0...n] I_max frequency controller proportional gain

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1690
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	0.500	0.000

p1341[0...n] I_max frequency controller integral time

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1690
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	50.000 [s]	0.300 [s]

r1343 I_max controller frequency output

VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 1690
P-Group: V/f open-loop control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r1344 I_max controller voltage output

VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 1690
P-Group: V/f open-loop control | **Units group:** 5_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2001 | **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

p1345[0...n] I_max voltage controller proportional gain

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1690
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	100000.000	0.000

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p1346[0...n] I_max voltage controller integral time

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1690
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	50.000 [s]	0.030 [s]

p1349[0...n] V/f mode resonance damping maximum frequency

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6310
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [Hz]	3000.00 [Hz]	0.00 [Hz]

p1350[0...n] Soft starting

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1690
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

p1356[0...n] CI: V/f control, angular setpoint

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** -
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2005 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1358[0...n] Angular difference, symmetrizing, actual angle

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

r1359 CO: Angular difference

VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: V/f open-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2005 | **Expert list:** 1

Min	Max	Factory setting
- [°]	- [°]	- [°]

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p1400[0...n] Speed control configuration

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1590, 5490
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 0011 1010 0000 bin

p1400[0...n] Velocity control, configuration

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1590, 5490
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 0011 1010 0000 bin

p1400[0...n] Speed control configuration

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6490
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1000 0000 0010 0001 bin

p1401[0...n] Flux control configuration

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6491, 6722, 6723
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1110 bin

p1402[0...n] Closed-loop current control and motor model configuration

SERVO

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0100 bin

p1402[0...n] Closed-loop current control and motor model configuration

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0100 bin

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p1402[0...n] Closed-loop current control and motor model configuration

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_REG | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0001 bin

p1404[0...n] Encoderless operation changeover speed

SERVO

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1590, 5060
P-Group: Closed-loop control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [rpm]	210000.0 [rpm]	210000.0 [rpm]

p1404[0...n] Encoderless operation changeover velocity

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1590, 5060
P-Group: Closed-loop control | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [m/min]	1000.0 [m/min]	1000.0 [m/min]

r1406.8...12 CO/BO: Control word speed controller

SERVO

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1530, 2520
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r1406.8...12 CO/BO: Control word velocity controller

SERVO (Lin)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1530, 2520
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r1406.4...15 CO/BO: Control word speed controller

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r1407.0...13 CO/BO: Status word speed controller

SERVO

Can be changed: -
Calculated: -
Access level: 3
Data type: Unsigned16
Dynamic index: -
Func. diagram: 1530, 2522
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r1407.0...13 CO/BO: Status word velocity controller

SERVO (Lin)

Can be changed: -
Calculated: -
Access level: 3
Data type: Unsigned16
Dynamic index: -
Func. diagram: 1530, 2522
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r1407.0...15 CO/BO: Status word speed controller

VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 3
Data type: Unsigned16
Dynamic index: -
Func. diagram: 1530, 2522
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r1408.0...9 CO/BO: Status word closed-loop current control

SERVO

Can be changed: -
Calculated: -
Access level: 3
Data type: Unsigned16
Dynamic index: -
Func. diagram: 1530, 2530
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r1408.0...12 CO/BO: Status word closed-loop current control

VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 3
Data type: Unsigned16
Dynamic index: -
Func. diagram: 1530, 2530
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p1412[0...n] Speed setpoint filter, dead time

TM41

Can be changed: U, T
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 9674
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.000 [ms]	1.000 [ms]	0.000 [ms]

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p1414[0...n] Speed setpoint filter activation

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p1414[0...n] Velocity setpoint filter activation

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p1414[0...n] Speed setpoint filter activation

TM41

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 9674
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p1415[0...n] Speed setpoint filter 1 type

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	2	0

p1415[0...n] Velocity setpoint filter 1 type

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	2	0

p1416[0...n] Speed setpoint filter 1 time constant

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	5000.00 [ms]	0.00 [ms]

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p1416[0...n] Velocity setpoint filter 1 time constant

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	5000.00 [ms]	0.00 [ms]

p1416[0...n] Speed setpoint filter 1 time constant

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1700, 6030
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	5000.00 [ms]	0.00 [ms]

p1417[0...n] Speed setpoint filter 1 denominator natural frequency

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	2000.0 [Hz]

p1417[0...n] Velocity setpoint filter 1 denominator natural frequency

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	2000.0 [Hz]

p1417[0...n] Speed setpoint filter 1 denominator natural frequency

TM41

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 9674
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	2000.0 [Hz]

p1418[0...n] Speed setpoint filter 1 denominator damping

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.001	10.000	0.700

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p1418[0...n] Velocity setpoint filter 1 denominator damping

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.001	10.000	0.700

p1418[0...n] Speed setpoint filter 1 denominator damping

TM41

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 9674
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.001	1.000	0.700

p1419[0...n] Speed setpoint filter 1 numerator natural frequency

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	2000.0 [Hz]

p1419[0...n] Velocity setpoint filter 1 numerator natural frequency

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	2000.0 [Hz]

p1420[0...n] Speed setpoint filter 1 numerator damping

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	10.000	0.700

p1420[0...n] Velocity setpoint filter 1 numerator damping

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	10.000	0.700

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p1421[0...n] Speed setpoint filter 2 type

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	2	0

p1421[0...n] Velocity setpoint filter 2 type

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	2	0

p1422[0...n] Speed setpoint filter 2 time constant

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	5000.00 [ms]	0.00 [ms]

p1422[0...n] Velocity setpoint filter 2 time constant

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	5000.00 [ms]	0.00 [ms]

p1423[0...n] Speed setpoint filter 2 denominator natural frequency

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	2000.0 [Hz]

p1423[0...n] Velocity setpoint filter 2 denominator natural frequency

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	2000.0 [Hz]

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p1424[0...n] Speed setpoint filter 2 denominator damping

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.001	10.000	0.700

p1424[0...n] Velocity setpoint filter 2 denominator damping

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.001	10.000	0.700

p1425[0...n] Speed setpoint filter 2 numerator natural frequency

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	2000.0 [Hz]

p1425[0...n] Velocity setpoint filter 2 numerator natural frequency

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	2000.0 [Hz]

p1426[0...n] Speed setpoint filter 2 numerator damping

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	10.000	0.700

p1426[0...n] Velocity setpoint filter 2 numerator damping

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5020
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	10.000	0.700

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p1428[0...n] Speed pre-control balancing dead time

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5030, 5042, 5210, 6031
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0	2.0	0.0

p1428[0...n] Velocity pre-control balancing dead time

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5030, 5042, 5210
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0	2.0	0.0

p1429[0...n] Speed pre-control balancing time constant

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5030, 5042, 5210, 6031
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	10000.00 [ms]	0.00 [ms]

p1429[0...n] Velocity pre-control balancing time constant

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5030, 5042, 5210
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	10000.00 [ms]	0.00 [ms]

p1430[0...n] CI: Speed pre-control

SERVO

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 1550, 1590, 3090, 5020, 5030
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p1430[0...n] CI: Velocity pre-control

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 1550, 1590, 3090, 5020, 5030
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

r1432 CO: Speed pre-control after symmetrizing

SERVO

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 5030
P-Group: Closed-loop control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r1432 CO: Velocity pre-control after symmetrizing

SERVO (Lin)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 5030
P-Group: Closed-loop control | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

p1433[0...n] Speed controller reference model natural frequency

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5030, 6031
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [Hz]	8000.0 [Hz]	0.0 [Hz]

p1433[0...n] Velocity controller reference model natural frequency

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5030, 6031
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [Hz]	8000.0 [Hz]	0.0 [Hz]

p1434[0...n] Speed controller reference model damping

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5030, 6031
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	5.000	1.000

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p1434[0...n] Velocity controller reference model damping

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5030, 6031
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	5.000	1.000

p1435[0...n] Speed controller reference model dead time

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5030, 6031
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00	2.00	0.00

p1435[0...n] Velocity controller reference model dead time

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5030, 6031
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00	2.00	0.00

r1436 CO: Speed controller reference model speed setpoint output

SERVO, VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 5030, 6031
P-Group: Closed-loop control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r1436 CO: Velocity controller, reference model velocity_setpoint output

SERVO (Lin)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 5030, 6031
P-Group: Closed-loop control | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

p1437[0...n] CI: Speed controller, reference model I component input

VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 6031
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	1436[0]

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r1438 CO: Speed controller, speed setpoint

SERVO, VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 1550, 1590, 1700, 5030, 5040, 5042, 5210, 5300, 5620, 6031, 6040, 8010
P-Group: Closed-loop control
Units group: 3_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r1438 CO: Velocity controller, velocity setpoint

SERVO (Lin)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 1550, 1590, 5030, 5040, 5042, 5210, 5300, 5620, 8010
P-Group: Closed-loop control
Units group: 4_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r1439 Speed setpoint, I component

SERVO, VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 1700, 5030, 5040, 6031, 6040
P-Group: Closed-loop control
Units group: 3_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r1439 Velocity setpoint, I component

SERVO (Lin)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 5030, 5040
P-Group: Closed-loop control
Units group: 4_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

p1441[0...n] Actual speed smoothing time

SERVO

Can be changed: U, T
Calculated: CALC_MOD_CON
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 4710, 4715
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [ms]	50.00 [ms]	0.00 [ms]

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p1441[0...n] Actual velocity smoothing time

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 4710, 4715
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	50.00 [ms]	0.00 [ms]

p1441[0...n] Actual speed smoothing time

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 4710, 4715
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	1000.00 [ms]	0.00 [ms]

p1442[0...n] Speed controller actual speed smoothing time

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6040
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	32000.00 [ms]	4.00 [ms]

r1444 Speed controller, speed setpoint steady-state (static)

SERVO, VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 5030, 6031
P-Group: Closed-loop control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r1444 Velocity controller, velocity setpoint, total

SERVO (Lin)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 5030
P-Group: Closed-loop control | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r1445 CO: Actual speed smoothed

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6040
P-Group: Closed-loop control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

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p1452[0...n] Speed controller actual speed smoothing time (SLVC)

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6040
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	32000.00 [ms]	10.00 [ms]

r1454 CO: Speed controller system deviation I component

SERVO, VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 5040, 5042, 6040
P-Group: Closed-loop control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r1454 CO: Velocity controller system deviation I component

SERVO (Lin)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 5040, 5042
P-Group: Closed-loop control | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

p1455[0...n] CI: Speed controller P gain adaptation signal

SERVO

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 5050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1455[0...n] CI: Velocity controller, P gain adaptation signal

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 5050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1455[0...n] CI: Speed controller P gain adaptation signal

VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 6050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p1456[0...n] Speed controller P gain adaptation lower starting point

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	400.00 [%]	0.00 [%]

p1456[0...n] Velocity controller P gain adaptation, lower starting point

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	400.00 [%]	0.00 [%]

p1456[0...n] Speed controller P gain adaptation lower starting point

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	400.00 [%]	0.00 [%]

p1457[0...n] Speed controller P gain adaptation upper starting point

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	400.00 [%]	0.00 [%]

p1457[0...n] Velocity controller P gain adaptation upper starting point

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	400.00 [%]	0.00 [%]

p1457[0...n] Speed controller P gain adaptation upper starting point

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	400.00 [%]	0.00 [%]

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p1458[0...n] Adaptation factor, lower

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	200000.0 [%]	100.0 [%]

p1458[0...n] Adaptation factor, lower

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	200000.0 [%]	100.0 [%]

p1459[0...n] Adaptation factor, upper

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	200000.0 [%]	100.0 [%]

p1459[0...n] Adaptation factor, upper

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	200000.0 [%]	100.0 [%]

p1460[0...n] Speed controller P gain adaptation speed, lower

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5040, 5042, 5050
P-Group: Closed-loop control | **Units group:** 17_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [Nms/rad]	999999.000 [Nms/rad]	0.300 [Nms/rad]

p1460[0...n] Velocity controller, P gain adaptation velocity, lower

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5040, 5042, 5050
P-Group: Closed-loop control | **Units group:** 24_2 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [Ns/m]	999999.000 [Ns/m]	10.000 [Ns/m]

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p1460[0...n] Speed controller P gain adaptation speed, lower

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1700, 6040
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	999999.000	0.300

p1461[0...n] Speed controller Kp adaptation speed, upper scaling

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	200000.0 [%]	100.0 [%]

p1461[0...n] Velocity controller, P gain adaptation velocity, upper

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	200000.0 [%]	100.0 [%]

p1461[0...n] Speed controller Kp adaptation speed, upper scaling

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	200000.0 [%]	100.0 [%]

p1462[0...n] Speed controller integral time adaptation speed lower

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1700, 5040, 5050, 5042, 6040, 6050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	100000.00 [ms]	20.00 [ms]

p1462[0...n] Velocity contr. integral act. time adaptation velocity lower

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5040, 5042, 5050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	100000.00 [ms]	20.00 [ms]

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p1463[0...n] Speed controller Tn adaptation speed, upper scaling

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	200000.0 [%]	100.0 [%]

p1463[0...n] Velocity contr. integral act. time adaptation velocity upper

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	200000.0 [%]	100.0 [%]

p1463[0...n] Speed controller Tn adaptation speed, upper scaling

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	200000.0 [%]	100.0 [%]

p1464[0...n] Speed controller adaptation speed, lower

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5050
P-Group: Closed-loop control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	0.00 [rpm]

p1464[0...n] Velocity controller adaptation velocity, lower

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5050
P-Group: Closed-loop control | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	1000.00 [m/min]	0.00 [m/min]

p1464[0...n] Speed controller adaptation speed, lower

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6050
P-Group: Closed-loop control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	0.00 [rpm]

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p1465[0...n] Speed controller adaptation speed, upper

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5050
P-Group: Closed-loop control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	210000.00 [rpm]

p1465[0...n] Velocity controller adaptation velocity, upper

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5050
P-Group: Closed-loop control | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	1000.00 [m/min]	1000.00 [m/min]

p1465[0...n] Speed controller adaptation speed, upper

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6050
P-Group: Closed-loop control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	210000.00 [rpm]

p1466[0...n] CI: Speed controller P-gain scaling

SERVO

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 5050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p1466[0...n] CI: Velocity controller P gain scaling

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 5050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p1466[0...n] CI: Speed controller P-gain scaling

VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 6050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	1

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r1468 Speed controller P-gain effective

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5040, 5042, 5210
P-Group: Closed-loop control **Units group:** 17_1 **Unit selection:** p0505
Not for motor type: REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Nms/rad]	- [Nms/rad]	- [Nms/rad]

r1468 Velocity controller P gain effective

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5040, 5042, 5210
P-Group: Closed-loop control **Units group:** 24_2 **Unit selection:** p0505
Not for motor type: REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Ns/m]	- [Ns/m]	- [Ns/m]

r1468 CO: Speed controller P-gain effective

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 6040
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r1469 Speed controller integral time effective

SERVO, VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5040, 5042, 6040
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [ms]	- [ms]	- [ms]

r1469 Velocity controller integral time effective

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5040, 5042
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [ms]	- [ms]	- [ms]

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p1470[0...n] Speed controller encoderless operation P-gain

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5210
P-Group: Closed-loop control | **Units group:** 17_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [Nms/rad]	999999.000 [Nms/rad]	0.300 [Nms/rad]

p1470[0...n] Velocity controller encoderless operation P-gain

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5210
P-Group: Closed-loop control | **Units group:** 24_2 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [Ns/m]	999999.000 [Ns/m]	10.000 [Ns/m]

p1470[0...n] Speed controller encoderless operation P-gain

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1700, 6040, 6050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	999999.000	0.300

p1472[0...n] Speed controller encoderless operation integral time

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1700, 5210, 6040, 6050
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [ms]	100000.0 [ms]	20.0 [ms]

p1472[0...n] Velocity controller encoderless operation integral time

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5210
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [ms]	100000.0 [ms]	20.0 [ms]

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p1476[0...n] BI: Speed controller hold integrator

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2520, 5040, 5042, 5210, 6040
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1476[0...n] BI: Velocity controller hold integrator

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2520, 5040, 5042, 5210
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1477[0...n] BI: Speed controller set integrator value

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2520, 5040, 5042, 5210, 6040
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1477[0...n] BI: Velocity controller set integrator value

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2520, 5040, 5042, 5210
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1478[0...n] CI: Speed controller integrator setting value

SERVO

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 5040, 5042, 5210
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p1478[0...n] **CI: Velocity controller integrator value**

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 5040, 5042, 5210
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min | **Max** | **Factory setting**
- | - | 0

p1478[0...n] **CI: Speed controller integrator setting value**

VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 6040
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min | **Max** | **Factory setting**
- | - | 0

p1479[0...n] **CI: Speed controller integrator setting value scaling**

VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 5040, 5210, 6040
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min | **Max** | **Factory setting**
- | - | 1

r1480 **CO: Speed controller PI torque output**

SERVO, VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 1590, 5040, 5042, 5060, 5210, 6060
P-Group: Closed-loop control | **Units group:** 7_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min | **Max** | **Factory setting**
- [Nm] | - [Nm] | - [Nm]

r1480 **CO: Velocity controller PI force output**

SERVO (Lin)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 1590, 5040, 5042, 5060, 5210
P-Group: Closed-loop control | **Units group:** 8_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min | **Max** | **Factory setting**
- [N] | - [N] | - [N]

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r1481 CO: Speed controller P torque output

SERVO, VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5040, 5042, 5210, 6040
P-Group: Closed-loop control **Units group:** 7_1 **Unit selection:** p0505
Not for motor type: REL **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

r1481 CO: Velocity controller P force output

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5040, 5042, 5210
P-Group: Closed-loop control **Units group:** 8_1 **Unit selection:** p0505
Not for motor type: REL **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
- [N]	- [N]	- [N]

r1482 CO: Speed controller I torque output

SERVO, VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5040, 5042, 5210, 6030, 6040
P-Group: Closed-loop control **Units group:** 7_1 **Unit selection:** p0505
Not for motor type: REL **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

r1482 CO: Velocity controller I force output

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5040, 5042, 5210
P-Group: Closed-loop control **Units group:** 8_1 **Unit selection:** p0505
Not for motor type: REL **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
- [N]	- [N]	- [N]

p1486[0...n] CI: Droop compensation torque

VECTOR (n/M)

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 **Dynamic index:** CDS, p0170 **Func. diagram:** 6030
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p1487[0...n] Droop compensation torque scaling

VECTOR (n/M)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: PERCENT

Access level: 3
Func. diagram: 6030
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-2000.0 [%]	2000.0 [%]	100.0 [%]

p1488[0...n] Droop input source

VECTOR (n/M)

Can be changed: U, T
Data type: Integer16
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: 6030
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	3	0

p1489[0...n] Droop feedback scaling

VECTOR (n/M)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: 6030
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.000	0.500	0.050

r1490 CO: Droop feedback speed reduction

VECTOR (n/M)

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: -
Units group: 3_1
Scaling: p2000

Access level: 3
Func. diagram: 6030
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

p1492[0...n] BI: Droop feedback enable

VECTOR (n/M)

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: CDS, p0170
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

r1493 CO: Moment of inertia, total

SERVO

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: FEM

Calculated: -
Dynamic index: -
Units group: 25_1
Scaling: -

Access level: 3
Func. diagram: 5042, 5210
Unit selection: p0100
Expert list: 1

Min	Max	Factory setting
- [kgm²]	- [kgm²]	- [kgm²]

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r1493 **CO: Load mass**

SERVO (Lin)

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: FEM

Calculated: -
Dynamic index: -
Units group: 27_1
Scaling: -

Access level: 3
Func. diagram: 5042, 5210
Unit selection: p0100
Expert list: 1

Min	Max	Factory setting
- [kg]	- [kg]	- [kg]

r1493 **CO: Moment of inertia, total**

VECTOR (n/M)

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: FEM

Calculated: -
Dynamic index: -
Units group: 25_1
Scaling: -

Access level: 3
Func. diagram: 6031
Unit selection: p0100
Expert list: 1

Min	Max	Factory setting
- [kgm²]	- [kgm²]	- [kgm²]

p1494[0...n] **Speed controller integrator feedback time constant**

SERVO

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 2
Func. diagram: 5040, 5042, 5210
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [ms]	1000.00 [ms]	0.00 [ms]

p1494[0...n] **Velocity controller integrator feedback time constant**

SERVO (Lin)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 2
Func. diagram: 5040, 5042, 5210
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [ms]	1000.00 [ms]	0.00 [ms]

p1495[0...n] **CI: Acceleration pre-control**

VECTOR (n/M)

Can be changed: T
Data type: Unsigned32 / FloatingPoint32
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: CDS, p0170
Units group: -
Scaling: p2007

Access level: 3
Func. diagram: 6031
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p1496[0...n] **Acceleration pre-control scaling**

VECTOR (n/M)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: 6031
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.0 [%]	10000.0 [%]	0.0 [%]

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p1497[0...n] CI: Moment of inertia, scaling

SERVO, VECTOR (n/M)

Can be changed: U, T
Data type: Unsigned32 / FloatingPoint32
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: CDS, p0170
Units group: -
Scaling: PERCENT

Access level: 3
Func. diagram: 5042, 5210, 6030, 6031
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	1

p1497[0...n] CI: Motor weight scaling

SERVO (Lin)

Can be changed: U, T
Data type: Unsigned32 / FloatingPoint32
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: CDS, p0170
Units group: -
Scaling: PERCENT

Access level: 3
Func. diagram: 5042, 5210
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	1

p1498[0...n] Load moment of inertia

SERVO

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: DDS, p0180
Units group: 25_1
Scaling: -

Access level: 3
Func. diagram: 5042, 5210
Unit selection: p0100
Expert list: 1

Min	Max	Factory setting
0.00000 [kgm²]	100000.00000 [kgm²]	0.00000 [kgm²]

p1498[0...n] Load mass

SERVO (Lin)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: DDS, p0180
Units group: 27_1
Scaling: -

Access level: 3
Func. diagram: 5042, 5210
Unit selection: p0100
Expert list: 1

Min	Max	Factory setting
0.00000 [kg]	10000.00000 [kg]	0.00000 [kg]

p1499[0...n] Accelerating for torque control, scaling

VECTOR (n/M)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.0 [%]	400.0 [%]	100.0 [%]

p1500[0...n] Macro Connector Inputs (CI) for torque setpoints

SERVO, VECTOR

Can be changed: C2(1), T
Data type: Unsigned32
P-Group: Commands
Not for motor type: REL

Calculated: -
Dynamic index: CDS, p0170
Units group: -
Scaling: -

Access level: 1
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	999999	0

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p1500[0...n] Macro Connector Inputs (CI) for force setpoints

SERVO (Lin)

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	999999	0

p1501[0...n] BI: Change over between closed-loop speed/torque control

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2520, 5060, 6060
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1501[0...n] BI: Change over velocity/force control

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2520, 5060, 6060
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1503[0...n] CI: Torque setpoint

VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

r1508 CO: Torque setpoint before supplementary torque

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6030, 6060, 6722
P-Group: Closed-loop control | **Units group:** 7_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

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r1509 CO: Torque setpoint before torque limiting

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1590, 5060, 5610
P-Group: Closed-loop control **Units group:** 7_1 **Unit selection:** p0505
Not for motor type: REL **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

r1509 CO: Force setpoint before force limiting

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1590, 5060, 5610
P-Group: Closed-loop control **Units group:** 8_1 **Unit selection:** p0505
Not for motor type: REL **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
- [N]	- [N]	- [N]

p1511[0...n] CI: Supplementary torque 1

SERVO, VECTOR (n/M)

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 **Dynamic index:** CDS, p0170 **Func. diagram:** 1700, 5060, 6060
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1511[0...n] CI: Supplementary force 1

SERVO (Lin)

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 **Dynamic index:** CDS, p0170 **Func. diagram:** 5060
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1512[0...n] CI: Supplementary torque 1 scaling

SERVO, VECTOR (n/M)

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 **Dynamic index:** CDS, p0170 **Func. diagram:** 1700, 5060, 6060
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p1512[0...n] CI: Supplementary force 1 scaling

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 5060
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1513[0...n] CI: Supplementary torque 2

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 1700, 5060, 6060
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1513[0...n] CI: Supplementary force 2

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 5060
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1514[0...n] Supplementary torque 2 scaling

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6060
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-2000.0 [%]	2000.0 [%]	100.0 [%]

r1515 Supplementary torque total

SERVO, VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 1700, 5040, 5060, 6060, 6721
P-Group: Closed-loop control | **Units group:** 7_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

r1515 Supplementary force total

SERVO (Lin)

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 5040, 5060
P-Group: Closed-loop control | **Units group:** 8_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min	Max	Factory setting
- [N]	- [N]	- [N]

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r1516 **CO: Supplementary torque and acceleration torque**

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 6060
P-Group: Closed-loop control **Units group:** 7_1 **Unit selection:** p0505
Not for motor type: REL **Scaling:** p2003 **Expert list:** 1

Min **Max** **Factory setting**
- [Nm] - [Nm] - [Nm]

p1517[0...n] **Accelerating torque smoothing time constant**

SERVO, VECTOR (n/M)

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** 5042, 5210, 6060
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** - **Expert list:** 1

Min **Max** **Factory setting**
0.00 [ms] 100.00 [ms] 4.00 [ms]

p1517[0...n] **Acceleration force smoothing time constant**

SERVO (Lin)

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** 5042, 5210
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** - **Expert list:** 1

Min **Max** **Factory setting**
0.00 [ms] 100.00 [ms] 4.00 [ms]

r1518[0...1] **CO: Accelerating torque**

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5042, 5210
P-Group: Closed-loop control **Units group:** 7_1 **Unit selection:** p0505
Not for motor type: REL **Scaling:** p2003 **Expert list:** 1

Min **Max** **Factory setting**
- [Nm] - [Nm] - [Nm]

r1518[0...1] **CO: Accelerating force**

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 5042, 5210
P-Group: Closed-loop control **Units group:** 8_1 **Unit selection:** p0505
Not for motor type: REL **Scaling:** p2003 **Expert list:** 1

Min **Max** **Factory setting**
- [N] - [N] - [N]

r1518[0...1] **CO: Accelerating torque**

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1700, 6060, 6721
P-Group: Closed-loop control **Units group:** 7_1 **Unit selection:** p0505
Not for motor type: REL **Scaling:** p2003 **Expert list:** 1

Min **Max** **Factory setting**
- [Nm] - [Nm] - [Nm]

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p1520[0...n] CO: Torque limit upper/motoring

SERVO

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 5620, 5630
P-Group: Closed-loop control
Units group: 7_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2003
Expert list: 1

Min	Max	Factory setting
-1000000.00 [Nm]	20000000.00 [Nm]	0.00 [Nm]

p1520[0...n] CO: Torque limit upper/motoring

SERVO

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 5620, 5630
P-Group: Closed-loop control
Units group: 7_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2003
Expert list: 1

Min	Max	Factory setting
0 [Nm]	10000000 [Nm]	0 [Nm]

p1520[0...n] CO: Force limit upper/motoring

SERVO (Lin)

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 5620, 5630
P-Group: Closed-loop control
Units group: 8_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2003
Expert list: 1

Min	Max	Factory setting
-1000000.00 [N]	20000000.00 [N]	0.00 [N]

p1520[0...n] CO: Force limit upper/motoring

SERVO (Lin)

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 5620, 5630
P-Group: Closed-loop control
Units group: 8_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2003
Expert list: 1

Min	Max	Factory setting
0 [N]	10000000 [N]	0 [N]

p1520[0...n] CO: Torque limit upper

VECTOR (n/M)

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 1700, 6630
P-Group: Closed-loop control
Units group: 7_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2003
Expert list: 1

Min	Max	Factory setting
-1000000.00 [Nm]	20000000.00 [Nm]	0.00 [Nm]

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p1521[0...n] CO: Torque limit lower/regenerative

SERVO

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 5620, 5630
P-Group: Closed-loop control
Units group: 7_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2003
Expert list: 1

Min	Max	Factory setting
-20000000.00 [Nm]	1000000.00 [Nm]	0.00 [Nm]

p1521[0...n] CO: Torque limit lower/regenerative

SERVO

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 5620, 5630
P-Group: Closed-loop control
Units group: 7_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2003
Expert list: 1

Min	Max	Factory setting
-1000000 [Nm]	0 [Nm]	0 [Nm]

p1521[0...n] CO: Force limit lower/regenerative

SERVO (Lin)

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 5620, 5630
P-Group: Closed-loop control
Units group: 8_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2003
Expert list: 1

Min	Max	Factory setting
-20000000.00 [N]	1000000.00 [N]	0.00 [N]

p1521[0...n] CO: Force limit lower/regenerative

SERVO (Lin)

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 5620, 5630
P-Group: Closed-loop control
Units group: 8_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2003
Expert list: 1

Min	Max	Factory setting
-1000000 [N]	0 [N]	0 [N]

p1521[0...n] CO: Torque limit lower

VECTOR (n/M)

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 1700, 6630
P-Group: Closed-loop control
Units group: 7_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2003
Expert list: 1

Min	Max	Factory setting
-20000000.00 [Nm]	1000000.00 [Nm]	0.00 [Nm]

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p1522[0...n] CI: Torque limit upper/motoring

SERVO	**Can be changed:** T	**Calculated:** -	**Access level:** 3
	Data type: Unsigned32 / FloatingPoint32	**Dynamic index:** CDS, p0170	**Func. diagram:** 1610, 5620, 5630
	P-Group: Closed-loop control	**Units group:** -	**Unit selection:** -
	Not for motor type: REL	**Scaling:** p2003	**Expert list:** 1
	Min -	**Max** -	**Factory setting** 1520[0]

p1522[0...n] CI: Torque limit upper/motoring

SERVO	**Can be changed:** T	**Calculated:** -	**Access level:** 3
	Data type: Unsigned32 / FloatingPoint32	**Dynamic index:** CDS, p0170	**Func. diagram:** 1610, 5620, 5630
	P-Group: Closed-loop control	**Units group:** -	**Unit selection:** -
	Not for motor type: REL	**Scaling:** p2003	**Expert list:** 1
	Min -	**Max** -	**Factory setting** 2902[5]

p1522[0...n] CI: Force limit upper/motoring

SERVO (Lin)	**Can be changed:** T	**Calculated:** -	**Access level:** 3
	Data type: Unsigned32 / FloatingPoint32	**Dynamic index:** CDS, p0170	**Func. diagram:** 1610, 5620, 5630
	P-Group: Closed-loop control	**Units group:** -	**Unit selection:** -
	Not for motor type: REL	**Scaling:** p2003	**Expert list:** 1
	Min -	**Max** -	**Factory setting** 1520[0]

p1522[0...n] CI: Force limit upper/motoring

SERVO (Lin)	**Can be changed:** T	**Calculated:** -	**Access level:** 3
	Data type: Unsigned32 / FloatingPoint32	**Dynamic index:** CDS, p0170	**Func. diagram:** 1610, 5620, 5630
	P-Group: Closed-loop control	**Units group:** -	**Unit selection:** -
	Not for motor type: REL	**Scaling:** p2003	**Expert list:** 1
	Min -	**Max** -	**Factory setting** 2902[5]

p1522[0...n] CI: Torque limit upper

VECTOR (n/M)	**Can be changed:** T	**Calculated:** -	**Access level:** 3
	Data type: Unsigned32 / FloatingPoint32	**Dynamic index:** CDS, p0170	**Func. diagram:** 1700, 6630
	P-Group: Closed-loop control	**Units group:** -	**Unit selection:** -
	Not for motor type: REL	**Scaling:** p2003	**Expert list:** 1
	Min -	**Max** -	**Factory setting** 1520[0]

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p1523[0...n] CI: Torque limit lower/regenerative

SERVO

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 1610, 5620, 5630
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min | **Max** | **Factory setting**
- | - | 1521[0]

p1523[0...n] CI: Torque limit lower/regenerative

SERVO

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 1610, 5620, 5630
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min | **Max** | **Factory setting**
- | - | 2902[12]

p1523[0...n] CI: Force limit lower/regenerative

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 1610, 5620, 5630
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min | **Max** | **Factory setting**
- | - | 1521[0]

p1523[0...n] CI: Force limit lower/regenerative

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 1610, 5620, 5630
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min | **Max** | **Factory setting**
- | - | 2902[12]

p1523[0...n] CI: Torque limit lower

VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 1700, 6630
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min | **Max** | **Factory setting**
- | - | 1521[0]

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p1524[0...n] CO: Torque limit upper/motoring scaling

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5620, 5630, 6630
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-2000.0 [%]	2000.0 [%]	100.0 [%]

p1524[0...n] CO: Force limit upper/motoring scaling

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5620, 5630, 6630
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-2000.0 [%]	2000.0 [%]	100.0 [%]

p1524[0...n] CO: Torque limit upper scaling

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5620, 5630, 6630
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-2000.0 [%]	2000.0 [%]	100.0 [%]

p1525[0...n] CO: Torque limit lower/regenerating scaling

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5620, 5630, 6630
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-2000.0 [%]	2000.0 [%]	100.0 [%]

p1525[0...n] CO: Force limit lower/regenerative scaling

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5620, 5630, 6630
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-2000.0 [%]	2000.0 [%]	100.0 [%]

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p1525[0...n] CO: Torque limit lower scaling

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6630
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-2000.0 [%]	2000.0 [%]	100.0 [%]

r1526 Torque limit upper/motoring without offset

SERVO

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 5620, 5630
P-Group: Closed-loop control | **Units group:** 7_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

r1526 Force limit upper/motoring without offset

SERVO (Lin)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 5620, 5630
P-Group: Closed-loop control | **Units group:** 8_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min	Max	Factory setting
- [N]	- [N]	- [N]

r1526 Torque limit upper without offset

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6060, 6630, 6640
P-Group: Closed-loop control | **Units group:** 7_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

r1527 Torque limit lower/regenerative without offset

SERVO

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 5620, 5630
P-Group: Closed-loop control | **Units group:** 7_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

r1527 Force limit lower/regenerative without offset

SERVO (Lin)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 5620, 5630
P-Group: Closed-loop control | **Units group:** 8_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min	Max	Factory setting
- [N]	- [N]	- [N]

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r1527 Torque limit lower without offset

VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 6060, 6630, 6640
P-Group: Closed-loop control
Units group: 7_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2003
Expert list: 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

p1528[0...n] CI: Torque limit upper/motoring scaling

SERVO

Can be changed: T
Calculated: -
Access level: 3
Data type: Unsigned32 / FloatingPoint32
Dynamic index: CDS, p0170
Func. diagram: 1610, 3617, 5620, 5630
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: PERCENT
Expert list: 1

Min	Max	Factory setting
-	-	1524[0]

p1528[0...n] CI: Force limit upper/motoring scaling

SERVO (Lin)

Can be changed: T
Calculated: -
Access level: 3
Data type: Unsigned32 / FloatingPoint32
Dynamic index: CDS, p0170
Func. diagram: 1610, 3617, 5620, 5630
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: PERCENT
Expert list: 1

Min	Max	Factory setting
-	-	1524[0]

p1528[0...n] CI: Torque limit upper scaling

VECTOR (n/M)

Can be changed: T
Calculated: -
Access level: 3
Data type: Unsigned32 / FloatingPoint32
Dynamic index: CDS, p0170
Func. diagram: 6630
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: PERCENT
Expert list: 1

Min	Max	Factory setting
-	-	1524[0]

p1529[0...n] CI: Torque limit lower/regenerating scaling

SERVO

Can be changed: T
Calculated: -
Access level: 3
Data type: Unsigned32 / FloatingPoint32
Dynamic index: CDS, p0170
Func. diagram: 1610, 3617, 5620, 5630
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: PERCENT
Expert list: 1

Min	Max	Factory setting
-	-	1525[0]

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p1529[0...n] CI: Force limit lower/regenerative scaling

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 1610, 3617, 5620, 5630
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	1525[0]

p1529[0...n] CI: Torque limit lower scaling

VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 6630
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	1525[0]

p1530[0...n] Power limit motoring

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1700, 5640, 6640
P-Group: Closed-loop control | **Units group:** 14_5 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [kW]	100000.00 [kW]	0.00 [kW]

p1530[0...n] Power limit motoring

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1700, 5640, 6640
P-Group: Closed-loop control | **Units group:** 14_8 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [kW]	100000.00 [kW]	0.00 [kW]

p1531[0...n] Power limit regenerating

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1700, 5640, 6640
P-Group: Closed-loop control | **Units group:** 14_5 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-100000.00 [kW]	-0.01 [kW]	-0.01 [kW]

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p1531[0...n] Power limit regenerating

SERVO (Lin)

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 1700, 5640, 6640
P-Group: Closed-loop control
Units group: 14_8
Unit selection: p0505
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
-100000.00 [kW]	-0.01 [kW]	-0.01 [kW]

p1532[0...n] CO: Torque limit offset

SERVO

Can be changed: U, T
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 5620, 5630, 8012
P-Group: Closed-loop control
Units group: 7_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2003
Expert list: 1

Min	Max	Factory setting
-100000.00 [Nm]	100000.00 [Nm]	0.00 [Nm]

p1532[0...n] CO: Force offset, force limit

SERVO (Lin)

Can be changed: U, T
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 5620, 5630, 8012
P-Group: Closed-loop control
Units group: 8_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2003
Expert list: 1

Min	Max	Factory setting
-100000.00 [N]	100000.00 [N]	0.00 [N]

r1533 Current limit torque-generating total

SERVO, VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 5640, 5722, 6640
P-Group: Displays, signals
Units group: 6_2
Unit selection: p0505
Not for motor type: -
Scaling: p2002
Expert list: 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r1533 Current limit force-generating total

SERVO (Lin)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 5640, 5722, 6640
P-Group: Displays, signals
Units group: 6_2
Unit selection: p0505
Not for motor type: -
Scaling: p2002
Expert list: 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

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r1534 CO: Torque limit upper total

SERVO

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 1610, 5060, 5640
P-Group: Closed-loop control
Units group: 7_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2003
Expert list: 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

r1534 CO: Force limit upper total

SERVO (Lin)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 1610, 5060, 5640
P-Group: Closed-loop control
Units group: 8_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2003
Expert list: 1

Min	Max	Factory setting
- [N]	- [N]	- [N]

r1535 CO: Torque limit lower total

SERVO

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 1610, 5060, 5640
P-Group: Closed-loop control
Units group: 7_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2003
Expert list: 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

r1535 CO: Force limit lower total

SERVO (Lin)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 1610, 5060, 5640
P-Group: Closed-loop control
Units group: 8_1
Unit selection: p0505
Not for motor type: REL
Scaling: p2003
Expert list: 1

Min	Max	Factory setting
- [N]	- [N]	- [N]

r1536 Current limit maximum torque-generating current

VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 4
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 6640, 6710
P-Group: Closed-loop control
Units group: 6_2
Unit selection: p0505
Not for motor type: REL
Scaling: p2002
Expert list: 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

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r1537 **Current limit minimum torque-generating current**

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 6640, 6710
P-Group: Closed-loop control **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: REL **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r1538 **CO: Upper effective torque limit**

SERVO, VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1610, 1700, 1750, 5060, 5610, 5650, 5714, 6040, 6060, 6640, 6721, 7010, 8012
P-Group: Closed-loop control **Units group:** 7_1 **Unit selection:** p0505
Not for motor type: REL **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

r1538 **CO: Upper force limit effective**

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1610, 1750, 5060, 5610, 5650, 5714, 7010, 8012
P-Group: Closed-loop control **Units group:** 8_1 **Unit selection:** p0505
Not for motor type: REL **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
- [N]	- [N]	- [N]

r1539 **CO: Lower effective torque limit**

SERVO, VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1610, 1700, 1750, 5060, 5610, 5650, 5714, 6040, 6060, 6640, 6721, 7010, 8012
P-Group: Closed-loop control **Units group:** 7_1 **Unit selection:** p0505
Not for motor type: REL **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

r1539 **CO: Lower force limit effective**

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1610, 1750, 5060, 5610, 5650, 5714, 7010, 8012
P-Group: Closed-loop control **Units group:** 8_1 **Unit selection:** p0505
Not for motor type: REL **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
- [N]	- [N]	- [N]

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p1540[0...n] **CI: Torque limit speed controller upper scaling**

VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 1700, 6060
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p1541[0...n] **CI: Torque limit. speed controller lower scaling**

VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 1700, 6060
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p1542[0...n] **CI: Travel to fixed stop torque reduction**

SERVO

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 5610
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p1542[0...n] **CI: Travel to fixed stop force reduction**

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 5610
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	0

r1543 **CO: Travel to fixed stop torque scaling**

SERVO

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 5610
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r1543 **CO: Travel to fixed stop force scaling**

SERVO (Lin)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 5610
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

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p1544 **Travel to fixed stop evaluation torque reduction**

SERVO

Can be changed: U, T	**Calculated:** -	**Access level:** 3
Data type: FloatingPoint32	**Dynamic index:** -	**Func. diagram:** 5610
P-Group: Closed-loop control	**Units group:** -	**Unit selection:** -
Not for motor type: -	**Scaling:** -	**Expert list:** 1
Min 0 [%]	**Max** 65535 [%]	**Factory setting** 100 [%]

p1544 **Travel to fixed stop evaluation force reduction**

SERVO (Lin)

Can be changed: U, T	**Calculated:** -	**Access level:** 3
Data type: FloatingPoint32	**Dynamic index:** -	**Func. diagram:** 5610
P-Group: Closed-loop control	**Units group:** -	**Unit selection:** -
Not for motor type: -	**Scaling:** -	**Expert list:** 1
Min 0 [%]	**Max** 65535 [%]	**Factory setting** 100 [%]

p1545[0...n] **BI: Activates travel to a fixed stop**

SERVO

Can be changed: T	**Calculated:** -	**Access level:** 3
Data type: Unsigned32 / Binary	**Dynamic index:** CDS, p0170	**Func. diagram:** 2520, 3617, 8012
P-Group: Commands	**Units group:** -	**Unit selection:** -
Not for motor type: REL	**Scaling:** -	**Expert list:** 1
Min -	**Max** -	**Factory setting** 0

p1545[0...n] **BI: Activates travel to a fixed stop**

VECTOR (n/M)

Can be changed: T	**Calculated:** -	**Access level:** 3
Data type: Unsigned32 / Binary	**Dynamic index:** CDS, p0170	**Func. diagram:** 2520, 3617, 8012
P-Group: Commands	**Units group:** -	**Unit selection:** -
Not for motor type: REL	**Scaling:** -	**Expert list:** 1
Min -	**Max** -	**Factory setting** 0

p1546 **Speed threshold motoring/regenerating**

SERVO

Can be changed: U, T	**Calculated:** -	**Access level:** 2
Data type: FloatingPoint32	**Dynamic index:** -	**Func. diagram:** -
P-Group: Closed-loop control	**Units group:** 3_1	**Unit selection:** p0505
Not for motor type: -	**Scaling:** -	**Expert list:** 1
Min 0.0 [rpm]	**Max** 210000.0 [rpm]	**Factory setting** 20.0 [rpm]

p1546 **Velocity threshold motoring/regenerating**

SERVO (Lin)

Can be changed: U, T	**Calculated:** -	**Access level:** 2
Data type: FloatingPoint32	**Dynamic index:** -	**Func. diagram:** -
P-Group: Closed-loop control	**Units group:** 4_1	**Unit selection:** p0505
Not for motor type: -	**Scaling:** -	**Expert list:** 1
Min 0.0 [m/min]	**Max** 1000.0 [m/min]	**Factory setting** 0.2 [m/min]

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r1547[0...1] CO: Torque limit for speed controller output

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 6060
P-Group: Closed-loop control **Units group:** 7_1 **Unit selection:** p0505
Not for motor type: REL **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

r1548[0...1] CO: Stall current limit torque-generating maximum

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: REL **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r1549 CO: Stall power actual value

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Displays, signals **Units group:** 14_5 **Unit selection:** p0505
Not for motor type: - **Scaling:** r2004 **Expert list:** 1

Min	Max	Factory setting
- [kW]	- [kW]	- [kW]

r1549 CO: Stall power actual value

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Displays, signals **Units group:** 14_8 **Unit selection:** p0505
Not for motor type: - **Scaling:** r2004 **Expert list:** 1

Min	Max	Factory setting
- [kW]	- [kW]	- [kW]

p1550[0...n] BI: Transfer current torque as torque offset

SERVO

Can be changed: T **Calculated:** - **Access level:** 2
Data type: Unsigned32 / Binary **Dynamic index:** CDS, p0170 **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	9718.23

p1550[0...n] BI: Transfer current force as force offset

SERVO (Lin)

Can be changed: T **Calculated:** - **Access level:** 2
Data type: Unsigned32 / Binary **Dynamic index:** CDS, p0170 **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	9718.23

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p1551[0...n] BI: Torque limit variable/fixed signal source

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 5060, 5620, 5630, 6060, 6630
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p1551[0...n] BI: Force limit variable/fixed signal source

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 5060, 5620, 5630
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p1552[0...n] CI: Torque limit upper scaling without offset

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 5060, 6060
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p1552[0...n] CI: Force limit upper scaling without offset

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 5060, 6060
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p1554[0...n] CI: Torque limit lower scaling without offset

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 5060, 6060
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p1554[0...n] CI: Force limit lower scaling without offset

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 5060, 6060
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	1

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p1555[0...n] CI: Power limit

VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 6640
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** r2004 | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p1556[0...n] Power limit scaling

VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6640
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00	340.28235E36	0.00

p1569[0...n] CI: Supplementary torque 3

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 5610, 5650, 6710, 7010
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min	Max	Factory setting
-	-	3841[0]

p1569[0...n] CI: Supplementary force 3

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 5610, 5650, 7010
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min	Max	Factory setting
-	-	3841[0]

p1570[0...n] CO: Flux setpoint

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6722
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
50.0 [%]	200.0 [%]	100.0 [%]

p1571[0...n] CI: Supplementary flux setpoint

VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 6725
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** p2003 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p1572[0...n] Supplementary flux setpoint

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	100.0 [%]	0.0 [%]

p1573[0...n] Flux threshold value magnetizing

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6722
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
10.0 [%]	200.0 [%]	100.0 [%]

p1574[0...n] Voltage reserve dynamic

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6723, 6724
P-Group: Closed-loop control | **Units group:** 5_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [Vrms]	150.0 [Vrms]	10.0 [Vrms]

p1576[0...n] Flux boost, adaptation speed, lower

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	0.00 [rpm]

p1577[0...n] Flux boost adaptation speed, upper

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1.0 [%]	10000.0 [%]	200.0 [%]

p1578[0...n] Flux reduction flux decrease smoothing time

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_REG | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5722
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
20 [ms]	5000 [ms]	200 [ms]

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p1579[0...n] Flux reduction flux build-up smoothing time

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_REG | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5722
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	5000 [ms]	4 [ms]

p1580[0...n] Efficiency optimization

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6722
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [%]	100 [%]	0 [%]

p1581[0...n] Flux reduction factor

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5722
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
20 [%]	100 [%]	100 [%]

p1582[0...n] Flux setpoint smoothing time

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_REG | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6722
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
4 [ms]	5000 [ms]	15 [ms]

r1583 Flux setpoint smoothed

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6722, 6723
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

p1584[0...n] Field weakening operation, flux setpoint smoothing time

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_REG | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6722
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	20000 [ms]	0 [ms]

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p1585[0...n] Flux actual value, smoothing time

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	1000 [ms]	0 [ms]

p1585[0...n] Flux actual value, smoothing time

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	1000 [ms]	0 [ms]

p1586[0...n] Field weakening characteristic, scaling

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
80.0 [%]	120.0 [%]	100.0 [%]

r1589 Field-weakening current, pre-control value

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6724
P-Group: Closed-loop control | **Units group:** 6_2 | **Unit selection:** p0505
Not for motor type: ASM, REL, FEM | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

p1590[0...n] Flux controller P gain

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5722
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [A/Vs]	999999.0 [A/Vs]	10.0 [A/Vs]

p1590[0...n] Flux controller P gain

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6726
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0	999999.0	10.0

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p1592[0...n] Flux controller integral.action time

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5722
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	10000 [ms]	30 [ms]

p1592[0...n] Flux controller integral.action time

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6726
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	10000 [ms]	30 [ms]

r1593[0...1] CO: Field weakening controller / flux controller output

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6723, 6724, 6726
P-Group: Closed-loop control | **Units group:** 6_2 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

p1594[0...n] Field-weakening controller, P gain

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6724
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00	1000.00	0.00

p1596[0...n] Field weakening controller integral-action time

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6723, 6724
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
10 [ms]	10000 [ms]	50 [ms]

r1597 CO: Field weakening controller output

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6723
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

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r1598 **CO: Total flux setpoint**

VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 6714, 6723, 6724, 6725, 6726, 8018
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: PERCENT
Expert list: 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

p1599[0...n] **Flux controller, excitation current difference**

VECTOR (n/M)

Can be changed: U, T
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: -
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: ASM, PEM, REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.0 [%]	100.0 [%]	3.0 [%]

p1600[0...n] **P flux controller, P gain**

VECTOR (n/M)

Can be changed: U, T
Calculated: CALC_MOD_CON
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: -
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: ASM, PEM, REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.0	999999.0	10.0

r1602 **CO: Flux controller P output**

VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 4
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Closed-loop control
Units group: 6_2
Unit selection: p0505
Not for motor type: ASM, PEM, REL
Scaling: p2002
Expert list: 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

p1609[0...n] **Current setpoint for I/f operation**

VECTOR (n/M)

Can be changed: U, T
Calculated: CALC_MOD_ALL
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 6727
P-Group: Closed-loop control
Units group: 6_2
Unit selection: p0505
Not for motor type: ASM, PEM, REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [Arms]	10000.00 [Arms]	0.00 [Arms]

p1610[0...n] **Torque setpoint static (SLVC)**

VECTOR (n/M)

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 1710, 6721, 6722
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.0 [%]	200.0 [%]	50.0 [%]

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p1611[0...n] Supplementary accelerating torque (SLVC)

VECTOR (n/M)

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 1710, 6721, 6722
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.0 [%]	200.0 [%]	0.0 [%]

p1612[0...n] Current setpoint, open-loop control, encoderless

SERVO

Can be changed: U, T
Calculated: CALC_MOD_REG
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: -
P-Group: Closed-loop control
Units group: 6_2
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [Arms]	10000.00 [Arms]	0.00 [Arms]

p1616[0...n] Current setpoint smoothing time

VECTOR (n/M)

Can be changed: U, T
Calculated: CALC_MOD_REG
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 6721, 6722
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
4 [ms]	10000 [ms]	40 [ms]

r1618 Current model controller, pre-control

VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 4
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Closed-loop control
Units group: 6_2
Unit selection: p0505
Not for motor type: ASM, PEM, REL
Scaling: p2002
Expert list: 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

p1619[0...n] Setpoint/actual value tracking threshold

VECTOR (n/M)

Can be changed: U, T
Calculated: CALC_MOD_ALL
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 6727
P-Group: Closed-loop control
Units group: 6_2
Unit selection: p0505
Not for motor type: ASM, PEM, REL
Scaling: p2002
Expert list: 1

Min	Max	Factory setting
0.00 [Arms]	10000.00 [Arms]	0.00 [Arms]

p1620[0...n] Stator current, minimum

VECTOR (n/M)

Can be changed: U, T
Calculated: CALC_MOD_ALL
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 6727
P-Group: Closed-loop control
Units group: 6_2
Unit selection: p0505
Not for motor type: ASM, PEM, REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
-10000.00 [Arms]	10000.00 [Arms]	0.00 [Arms]

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p1621[0...n] Changeover speed, inner cos phi = 1

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6727
P-Group: Closed-loop control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	0.00 [rpm]

p1622[0...n] Field-generating current setpoint smoothing time constant

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6727
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.1 [ms]	200.0 [ms]	20.0 [ms]

r1623 Field-generating current setpoint (steady-state)

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6723
P-Group: Displays, signals | **Units group:** 6_2 | **Unit selection:** p0505
Not for motor type: PEM, REL | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r1624 Field-generating current setpoint, total

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6640, 6721, 6723, 6727
P-Group: Displays, signals | **Units group:** 6_2 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

p1625[0...n] Excitation current setpoint calibration

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6727
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
10.0 [%]	200.0 [%]	100.0 [%]

r1626 CO: Excitation current setpoint

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6727
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

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r1627 CO: Current model load angle

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 6727
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: ASM, PEM, REL **Scaling:** p2005 **Expert list:** 1

Min	Max	Factory setting
- [°]	- [°]	- [°]

p1628[0...n] Current model controller, dynamic factor

VECTOR (n/M)

Can be changed: U, T **Calculated:** CALC_MOD_CON **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** 6727
P-Group: Functions **Units group:** - **Unit selection:** -
Not for motor type: ASM, PEM, REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1 [%]	400 [%]	50 [%]

p1629[0...n] Current model controller P gain

VECTOR (n/M)

Can be changed: U, T **Calculated:** CALC_MOD_CON **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** 6727
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: ASM, PEM, REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.000	100000.000	0.000

p1630[0...n] Current model controller integral time

VECTOR (n/M)

Can be changed: U, T **Calculated:** CALC_MOD_CON **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** 6727
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: ASM, PEM, REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	10000.00 [ms]	0.00 [ms]

r1631 Current model controller, P gain effective

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 6727
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: ASM, PEM, REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r1632 Current model controller integral time effective

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 6727
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: ASM, PEM, REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [ms]	- [ms]	- [ms]

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r1633 Current model, flux setpoint

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 6727
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: ASM, PEM, REL **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r1634 Current model, flux actual value

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 6727
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: ASM, PEM, REL **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r1635 Current model controller, I component

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 6727
P-Group: Closed-loop control **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: ASM, PEM, REL **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r1636 Current model controller output

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 6727
P-Group: Closed-loop control **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: ASM, PEM, REL **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r1637 Current model, magnetizing current, d axis

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 6727
P-Group: Closed-loop control **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: ASM, PEM, REL **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r1638 Current model, magnetizing current, q axis

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 6727
P-Group: Closed-loop control **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: ASM, PEM, REL **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

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r1639 **CO: Current model Isq after actual value tracking**

VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 4
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 6727
P-Group: Closed-loop control
Units group: 6_2
Unit selection: p0505
Not for motor type: ASM, PEM, REL
Scaling: p2002
Expert list: 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

p1640[0...n] **CI: Excitation current actual value**

VECTOR (n/M)

Can be changed: T
Calculated: -
Access level: 3
Data type: Unsigned32 / FloatingPoint32
Dynamic index: CDS, p0170
Func. diagram: 6727
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: ASM, PEM, REL
Scaling: PERCENT
Expert list: 1

Min	Max	Factory setting
-	-	0

r1641 **Excitation current actual value**

VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 6727, 6497
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: ASM, PEM, REL
Scaling: PERCENT
Expert list: 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

p1642[0...n] **Minimum excitation current**

VECTOR (n/M)

Can be changed: U, T
Calculated: -
Access level: 4
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 6727
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: ASM, PEM, REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.1 [%]	50.0 [%]	5.0 [%]

p1643[0...n] **Gain factor, minimum excitation current closed-loop control**

VECTOR (n/M)

Can be changed: U, T
Calculated: CALC_MOD_CON
Access level: 4
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 6727
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: ASM, PEM, REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00	5.00	0.40

r1644 **Excitation current monitoring output**

VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 4
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 6727
P-Group: Closed-loop control
Units group: 6_2
Unit selection: p0505
Not for motor type: ASM, PEM, REL
Scaling: p2002
Expert list: 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

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p1645[0...6] BI: Excitation feedback signals signal source

VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 6495
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p1646 Excitation monitoring time

VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6495
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
2.0 [s]	1300.0 [s]	20.0 [s]

p1647 Excitation switch-off delay time

VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6495
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [s]	5.0 [s]	0.8 [s]

r1648.0...11 CO/BO: Excitation, control word

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 6495
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r1649.0...7 CO/BO: Excitation status word

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 6495
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r1650 Current setpoint torque-generating before filter

SERVO, VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 5710, 6710
P-Group: Closed-loop control | **Units group:** 6_2 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

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r1650 Current setpoint force-generating before filter

SERVO (Lin)

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: 6_2
Scaling: p2002

Access level: 3
Func. diagram: 5710
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r1651 CO: Torque setpoint, function generator

SERVO, VECTOR (n/M)

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: 7_1
Scaling: p2003

Access level: 3
Func. diagram: 5710
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

r1651 CO: Force setpoint, function generator

SERVO (Lin)

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: 8_1
Scaling: p2003

Access level: 3
Func. diagram: 5710
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
- [N]	- [N]	- [N]

p1653[0...n] Current setpoint torque-generating smoothing time minimum

VECTOR (n/M)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: PEM, REL

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 4
Func. diagram: 6710
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.1 [ms]	20.0 [ms]	0.1 [ms]

p1654[0...n] Curr. setpoint torque-gen. smoothing time field weakening range

VECTOR (n/M)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: PEM, REL

Calculated: CALC_MOD_ALL
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 4
Func. diagram: 6710
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.1 [ms]	50.0 [ms]	4.8 [ms]

p1655[0...1] CI: Current setpoint filter natural frequency tuning

VECTOR (n/M)

Can be changed: U, T
Data type: Unsigned32 / FloatingPoint32
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: -
Units group: -
Scaling: PERCENT

Access level: 3
Func. diagram: 1710, 6710
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	1

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p1656[0...n] Activates current setpoint filter

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0001 bin

p1656[0...n] Activates current setpoint filter

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0001 bin

p1657[0...n] Current setpoint filter 1 type

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710, 6710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	2	1

p1658[0...n] Current setpoint filter 1 denominator natural frequency

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710, 6710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	1999.0 [Hz]

p1659[0...n] Current setpoint filter 1 denominator damping

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710, 6710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.001	10.000	0.700

p1660[0...n] Current setpoint filter 1 numerator natural frequency

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710, 6710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	1999.0 [Hz]

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p1661[0...n] Current setpoint filter 1 numerator damping

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710, 6710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	10.000	0.700

p1662[0...n] Current setpoint filter 2 type

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710, 6710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	2	1

p1663[0...n] Current setpoint filter 2 denominator natural frequency

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710, 6710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	1999.0 [Hz]

p1664[0...n] Current setpoint filter 2 denominator damping

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710, 6710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.001	10.000	0.700

p1665[0...n] Current setpoint filter 2 numerator natural frequency

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710, 6710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	1999.0 [Hz]

p1666[0...n] Current setpoint filter 2 numerator damping

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710, 6710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	10.000	0.700

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p1667[0...n] Current setpoint filter 3 type

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	2	1

p1668[0...n] Current setpoint filter 3 denominator natural frequency

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	1999.0 [Hz]

p1669[0...n] Current setpoint filter 3 denominator damping

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.001	10.000	0.700

p1670[0...n] Current setpoint filter 3 numerator natural frequency

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	1999.0 [Hz]

p1671[0...n] Current setpoint filter 3 numerator damping

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	10.000	0.700

p1672[0...n] Current setpoint filter 4 type

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	2	1

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p1673[0...n] Current setpoint filter 4 denominator natural frequency

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	1999.0 [Hz]

p1674[0...n] Current setpoint filter 4 denominator damping

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.001	10.000	0.700

p1675[0...n] Current setpoint filter 4 numerator natural frequency

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	1999.0 [Hz]

p1676[0...n] Current setpoint filter 4 numerator damping

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5710
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	10.000	0.700

p1699 Filter data acceptance

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

p1701[0...n] Current controller reference model dead time

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5714
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0	1.0	1.0

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p1702[0...n] Isd current controller pre-control scaling

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6714
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	200.0 [%]	70.0 [%]

p1703[0...n] Isq current controller pre-control scaling

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6714
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	200.0 [%]	70.0 [%]

p1704[0...n] Isq current controller pre-control EMF scaling

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6714, 6726
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	200.0 [%]	100.0 [%]

p1705[0...n] Isq controller setpoint/actual value tracking threshold

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6714, 6726
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	100.0 [%]	100.0 [%]

p1715[0...n] Current controller P gain

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 5714, 7017
P-Group: Closed-loop control | **Units group:** 18_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [V/A]	100000.000 [V/A]	0.000 [V/A]

p1715[0...n] Current controller P gain

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1710, 6714, 7017
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	100000.000	0.000

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p1717[0...n] Current controller integral-action time

SERVO, VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1710, 5714, 6714, 7017
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	1000.00 [ms]	2.00 [ms]

r1718 CO: Isq controller output

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6714
P-Group: Closed-loop control | **Units group:** 5_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2001 | **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

r1719 Isq controller integral component

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6714
P-Group: Closed-loop control | **Units group:** 5_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2001 | **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

r1723 CO: Isd controller output

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6714
P-Group: Closed-loop control | **Units group:** 5_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2001 | **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

r1724 Isd controller integral component

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6714
P-Group: Closed-loop control | **Units group:** 5_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2001 | **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

r1725 Isd controller integral component limit

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6714
P-Group: Closed-loop control | **Units group:** 5_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2001 | **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

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p1726[0...n] Quadrature arm decoupling, scaling

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6714
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	200.0 [%]	75.0 [%]

p1727[0...n] Quadrature arm decoupling at voltage limit scaling

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6714
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	200.0 [%]	50.0 [%]

r1728 De-coupling voltage, in-line axis

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6714
P-Group: Closed-loop control | **Units group:** 5_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2001 | **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

r1729 De-coupling voltage, quadrature axis

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6714
P-Group: Closed-loop control | **Units group:** 5_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2001 | **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

r1732 CO: Direct-axis voltage setpoint

SERVO, VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 1590, 1630, 5714, 5730, 6714, 6731
P-Group: Closed-loop control | **Units group:** 5_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2001 | **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

r1733 CO: Quadrature-axis voltage setpoint

SERVO, VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 1590, 1630, 5714, 5730, 6714, 6731
P-Group: Closed-loop control | **Units group:** 5_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2001 | **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

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p1740[0...n] Gain resonance damping for encoderless closed loop control

VECTOR (n/M)

Can be changed: U, T
Calculated: CALC_MOD_CON
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: -
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.000	10.000	0.025

p1744[0...n] Motor model speed threshold stall detection

VECTOR (n/M)

Can be changed: U, T
Calculated: CALC_MOD_REG
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: -
P-Group: Closed-loop control
Units group: 3_1
Unit selection: p0505
Not for motor type: REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	100.00 [rpm]

p1745[0...n] Motor model error threshold stall detection

VECTOR (n/M)

Can be changed: U, T
Calculated: CALC_MOD_REG
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: -
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.0 [%]	1000.0 [%]	5.0 [%]

r1746 Motor model error signal stall detection

VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 4
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

p1750[0...n] Motor model configuration

VECTOR (n/M)

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 3
Data type: Unsigned8
Dynamic index: DDS, p0180
Func. diagram: -
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: PEM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

r1751 Motor model status

VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 3
Data type: Unsigned16
Dynamic index: -
Func. diagram: -
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: PEM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

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p1752[0...n] Motor model changeover speed operation with encoder

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_REG | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** -

Min	Max	Factory setting
0.0 [rpm]	210000.0 [rpm]	210000.0 [rpm]

p1752[0...n] Motor model with encoder changeover velocity

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_REG | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** -

Min	Max	Factory setting
0.0 [m/min]	1000.0 [m/min]	1000.0 [m/min]

p1752[0...n] Motor model changeover speed operation with encoder

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_REG | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** -

Min	Max	Factory setting
0.0 [rpm]	210000.0 [rpm]	210000.0 [rpm]

p1753[0...n] Motor model changeover speed hysteresis operation with encoder

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_REG | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	90.0 [%]	0.0 [%]

p1754[0...n] Flux angle difference smoothing time

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.1 [ms]	100.0 [ms]	5.0 [ms]

p1755[0...n] Motor model changeover speed encoderless operation

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_REG | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [rpm]	210000.0 [rpm]	210000.0 [rpm]

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p1755[0...n] Motor model changeover velocity encoderless operation

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_REG | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [m/min]	1000.0 [m/min]	1000.0 [m/min]

p1755[0...n] Motor model changeover speed encoderless operation

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_REG | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [rpm]	210000.0 [rpm]	210000.0 [rpm]

p1756 Motor model changeover speed hysteresis

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	90.0 [%]	5.0 [%]

p1756 Motor model changeover velocity hysteresis

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	90.0 [%]	5.0 [%]

p1756 Motor model changeover speed hysteresis encoderless operation

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_REG | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	95.0 [%]	50.0 [%]

p1757[0...n] Motor model w/o enc. op./cl.-loop controlled stab. controller Kp

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.01	10.00	0.70

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p1758[0...n] Motor model changeover delay time closed/open-loop control

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
100 [ms]	10000 [ms]	1000 [ms]

p1759[0...n] Motor model changeover delay time open/closed loop control

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	2000 [ms]	0 [ms]

p1760[0...n] Motor model with encoder speed adaptation Kp

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	100000.000	1000.000

p1761[0...n] Motor model with encoder speed adaptation Tn

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	1000 [ms]	4 [ms]

r1762 Motor model deviation component 1

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6721, 6730, 6731
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r1763 Motor model deviation component 2

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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p1764[0...n] Motor model without encoder speed adaptation Kp

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6730
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	100000.000	1000.000

r1765 Motor model, speed adaptation Kp effective

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL, FEM | **Scaling:** p2001 | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p1767[0...n] Motor model without encoder speed adaptation Tn

VECTOR (n/M)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6730
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1 [ms]	200 [ms]	4 [ms]

r1768 Motor model, speed adaptation Vi effective

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL, FEM | **Scaling:** p2001 | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r1770 Motor model speed adaptation proportional component

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6730
P-Group: Closed-loop control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: REL, FEM | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r1771 Motor model speed adaptation I comp.

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 6730
P-Group: Closed-loop control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: REL, FEM | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

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r1773[0...1] Motor model slip speed

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: REL, FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

p1774[0...n] Motor model, offset voltage compensation alpha

VECTOR (n/M)

Can be changed: U, T **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: PEM, REL, FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-5.000 [V]	5.000 [V]	0.000 [V]

p1775[0...n] Motor model, offset voltage compensation beta

VECTOR (n/M)

Can be changed: U, T **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: PEM, REL, FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-5.000 [V]	5.000 [V]	0.000 [V]

r1776[0...2] Motor model status signals

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: REL, FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r1778 Motor model flux angle difference

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** p2005 **Expert list:** 1

Min	Max	Factory setting
- [°]	- [°]	- [°]

r1778 Motor model flux angle difference

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** p2005 **Expert list:** 1

Min	Max	Factory setting
- [°]	- [°]	- [°]

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r1779 Motor model absolute flux

VECTOR (n/M)

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: PEM, REL, FEM

Calculated: -
Dynamic index: -
Units group: -
Scaling: PERCENT

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

p1780[0...n] Motor model adaptation configuration

SERVO

Can be changed: U, T
Data type: Unsigned16
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0010 0000 bin

p1780[0...n] Motor model adaptation configuration

SERVO

Can be changed: U, T
Data type: Unsigned16
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

p1780[0...n] Motor/converter model adaptation configuration

SERVO (Exp M_ctrl)

Can be changed: U, T
Data type: Unsigned16
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 0001 0010 1000 bin

p1780[0...n] Motor model adaptation configuration

VECTOR

Can be changed: U, T
Data type: Unsigned16
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0111 1100 bin

p1781[0...n] Motor model Rs adaptation integral time

VECTOR (n/M)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: PEM, REL, FEM

Calculated: CALC_MOD_CON
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
10 [ms]	10000 [ms]	100 [ms]

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r1782[0...n] Motor model Rs adaptation corrective value

VECTOR (n/M)

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: PEM, REL, FEM

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
- [Ohm]	- [Ohm]	- [Ohm]

p1783[0...n] Motor model Rs adaptation Kp

VECTOR (n/M)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: PEM, REL, FEM

Calculated: CALC_MOD_CON
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.000	1.000	0.100

p1785[0...n] Motor model Lh adaptation Kp

VECTOR (n/M)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: PEM, REL, FEM

Calculated: CALC_MOD_CON
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.000	1.000	0.100

p1786[0...n] Motor model Lh adaptation integral time

VECTOR (n/M)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: PEM, REL, FEM

Calculated: CALC_MOD_CON
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
10 [ms]	10000 [ms]	100 [ms]

r1787[0...n] Motor model Lh adaptation corrective value

VECTOR (n/M)

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: PEM, REL, FEM

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

r1789 Motor model Rs adaptation switch-in frequency

VECTOR (n/M)

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: PEM, REL, FEM

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
- [Hz]	- [Hz]	- [Hz]

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r1790 Motor model Rs adaptation power-on slip

VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 4
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: PEM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
- [Hz]	- [Hz]	- [Hz]

r1791 Motor model Lh adaptation power-on frequency

VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 4
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: PEM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
- [Hz]	- [Hz]	- [Hz]

r1792 Motor model Lh adaptation power-on slip

VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 4
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: PEM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
- [Hz]	- [Hz]	- [Hz]

p1795[0...n] Motor model kT adaptation smoothing time

SERVO (Exp M_ctrl)

Can be changed: U, T
Calculated: CALC_MOD_CON
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: -
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: ASM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
1 [ms]	10000 [ms]	100 [ms]

p1795[0...n] Motor model kT adaptation integral time

VECTOR (n/M)

Can be changed: U, T
Calculated: CALC_MOD_CON
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 6731
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: ASM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
10 [ms]	10000 [ms]	100 [ms]

r1797 Motor model kT adaptation corrective value

SERVO (Exp M_ctrl, Lin)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: ASM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
- [N/Arms]	- [N/Arms]	- [N/Arms]

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r1797 Motor model kT adaptation corrective value

SERVO (Exp M_ctrl)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: ASM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
- [Nm/A]	- [Nm/A]	- [Nm/A]

r1797[0...n] Motor model kT adaptation corrective value

VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 6731
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: ASM, REL, FEM
Scaling: -
Expert list: 1

Min	Max	Factory setting
- [Nm/A]	- [Nm/A]	- [Nm/A]

p1800[0...n] Pulse frequency

SERVO

Can be changed: U, T
Calculated: CALC_MOD_ALL
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: -
P-Group: Modulation
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
1.000 [kHz]	32.000 [kHz]	4.000 [kHz]

p1800[0...n] Pulse frequency

VECTOR

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: -
P-Group: Modulation
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
1.000 [kHz]	16.000 [kHz]	4.000 [kHz]

r1801 Current pulse frequency

VECTOR

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Displays, signals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
- [kHz]	- [kHz]	- [kHz]

p1802[0...n] Modulator mode

VECTOR

Can be changed: T
Calculated: CALC_MOD_LIM_REF
Access level: 3
Data type: Integer16
Dynamic index: DDS, p0180
Func. diagram: -
P-Group: Modulation
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	9	0

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p1803[0...n] Maximum modulation depth

VECTOR

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 6723
P-Group: Modulation
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
20.0 [%]	150.0 [%]	100.0 [%]

p1804[0...n] Filter time constant smoothed modulation index

VECTOR

Can be changed: U, T
Calculated: -
Access level: 4
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: -
P-Group: Modulation
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.0 [ms]	10000.0 [ms]	10.0 [ms]

p1806[0...n] Filter time constant Vdc correction

VECTOR

Can be changed: U, T
Calculated: CALC_MOD_REG
Access level: 4
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: -
P-Group: Closed-loop control
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.0 [ms]	10000.0 [ms]	0.0 [ms]

r1807 Actual DC link voltage to calculate the modulation depth

VECTOR

Can be changed: -
Calculated: -
Access level: 4
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Displays, signals
Units group: 5_2
Unit selection: p0505
Not for motor type: -
Scaling: p2001
Expert list: 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

r1808 DC link voltage actual value for V_max calculation

VECTOR

Can be changed: -
Calculated: -
Access level: 4
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Displays, signals
Units group: 5_2
Unit selection: p0505
Not for motor type: -
Scaling: p2001
Expert list: 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

r1809 Modulator mode current

VECTOR

Can be changed: -
Calculated: -
Access level: 4
Data type: Integer16
Dynamic index: -
Func. diagram: -
P-Group: Modulation
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
1	8	-

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p1810 Modulator configuration

VECTOR

Can be changed: U, T
Data type: Unsigned16
P-Group: Modulation
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0010 bin

p1811[0...n] Pulse frequency wobbulation amplitude

VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: -
Not for motor type: -
Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -
Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0 [%]	20 [%]	0 [%]

p1815 Phase for PWM generation subgroup

A_INF, S_INF, SERVO, VECTOR

Can be changed: U, T
Data type: Unsigned16
P-Group: Modulation
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0001 bin

p1816 Set phase for PWM generation manually

A_INF, S_INF, SERVO, VECTOR

Can be changed: U, T
Data type: Integer16
P-Group: Modulation
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-1	16	-1

p1817 Minimum ratio, pulse frequency to the output frequency

VECTOR

Can be changed: C2(2)
Data type: FloatingPoint32
P-Group: Converter
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
8.3	15.0	12.0

p1818 Phase for PWM generation configuration

CU_CX32, CU_I, CU_S

Can be changed: T
Data type: Integer16
P-Group: Modulation
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	1	1

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p1819 Phase for PWM generation

A_INF

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Modulation | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1	16	0

p1819 Phase for PWM generation

S_INF, SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Modulation | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1	16	-1

p1820[0...n] Reverse the output phase sequence

VECTOR

Can be changed: C2(3) | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 6732
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

p1821[0...n] Dir of rot

SERVO, VECTOR

Can be changed: C2(3) | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 4704, 4710, 4711, 4715, 5730, 6730, 6731, 6732
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

p1821[0...n] Direction

SERVO (Lin)

Can be changed: C2(3) | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 4704, 4710, 4711, 4715, 5730, 6730, 6731, 6732
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

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p1825 **Converter valve threshold voltage**

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Modulation | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [Vrms]	100.0 [Vrms]	0.6 [Vrms]

p1827 **Infeed compensation valve lockout time operating mode**

A_INF, S_INF

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Modulation | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

p1828 **Compensation valve lockout time phase U**

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Modulation | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	1000000.00 [µs]	0.00 [µs]

p1829 **Compensation valve lockout time phase V**

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Modulation | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	1000000.00 [µs]	0.00 [µs]

p1830 **Compensation valve lockout time phase W**

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Modulation | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	1000000.00 [µs]	0.00 [µs]

p1832 **Dead time compensation current level**

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Modulation | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [Arms]	10000.0 [Arms]	0.0 [Arms]

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r1837 Gating unit configuration

VECTOR

Can be changed: -
Data type: Unsigned16
P-Group: Modulation
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p1840[0...n] Actual value correction configuration

VECTOR

Can be changed: T
Data type: Unsigned16
P-Group: Modulation
Not for motor type: -

Calculated: CALC_MOD_ALL
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

r1841 Actual value correction status word

VECTOR

Can be changed: -
Data type: Unsigned16
P-Group: Modulation
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p1845[0...n] Actual value correction evaluation factor Lsig

VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Modulation
Not for motor type: -

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00	10.00	1.00

p1846[0...n] Actual value correction damping factor

VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Modulation
Not for motor type: -

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00	10.00	1.00

r1848[0...5] Actual value correction phase currents

VECTOR

Can be changed: -
Data type: FloatingPoint32
P-Group: Modulation
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

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r1849[0...5] Actual value correction phase voltages

VECTOR

Can be changed: -
Data type: FloatingPoint32
P-Group: Modulation
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p1900 Motor data identification and rotating measurement

VECTOR

Can be changed: C2(1), T
Data type: Integer16
P-Group: Motor identification
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 1
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	2	2

p1900 Motor data identification and rotating measurement

VECTOR (n/M)

Can be changed: C2(1), T
Data type: Integer16
P-Group: Motor identification
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 1
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	2	2

p1909[0...n] Motor data identification control word

SERVO

Can be changed: T
Data type: Unsigned16
P-Group: Motor identification
Not for motor type: -

Calculated: CALC_MOD_ALL
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0010 0111 0000 0000 bin

p1909[0...n] Motor data identification control word

SERVO (Exp M_ctrl, Lin)

Can be changed: T
Data type: Unsigned16
P-Group: Motor identification
Not for motor type: -

Calculated: CALC_MOD_ALL
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0110 0111 0000 0000 bin

p1909[0...n] Motor data identification control word

SERVO (Exp M_ctrl)

Can be changed: T
Data type: Unsigned16
P-Group: Motor identification
Not for motor type: -

Calculated: CALC_MOD_ALL
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0110 0111 0000 0000 bin

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p1909[0...n] Motor data identification control word

SERVO (Lin)

Can be changed: T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0010 0111 0000 0000 bin

p1909[0...n] Motor data identification control word

VECTOR

Can be changed: T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p1910 Motor data identification routine, stationary (standstill)

SERVO

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-3	1	0

p1910 Motor data identification selection

VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	20	1

p1911 Number of phases to be identified

VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 4
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	3	1

r1912 Stator resistance identified

SERVO

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [Ohm]	- [Ohm]	- [Ohm]

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r1912[0...2] Identified stator resistance

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Ohm]	- [Ohm]	- [Ohm]

r1913 Rotor time constant identified

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: PEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [ms]	- [ms]	- [ms]

r1913[0...2] Identified rotor time constant

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: PEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [ms]	- [ms]	- [ms]

r1914[0...2] Identified total leakage inductance

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

r1915 Stator inductance identified

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

r1915[0...2] Identified nominal stator inductance

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

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r1916[0...2] Identified stator inductance 1

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

r1917[0...2] Identified stator inductance 2

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

r1918[0...2] Identified stator inductance 3

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

r1919[0...2] Identified stator inductance 4

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

r1920[0...2] Identified dynamic leakage inductance

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

r1921[0...2] Identified dynamic leakage inductance 1

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

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r1922[0...2] Identified dynamic leakage inductance 2

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

r1923[0...2] Identified dynamic leakage inductance 3

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

r1924[0...2] Identified dynamic leakage inductance 4

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

r1925 Threshold voltage identified

SERVO

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

r1925[0...2] Identified threshold voltage

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

r1926[0...2] Identified effective valve lockout time

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [µs]	- [µs]	- [µs]

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r1927 Rotor resistance identified

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Ohm]	- [Ohm]	- [Ohm]

r1927[0...2] Identified rotor resistance

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Ohm]	- [Ohm]	- [Ohm]

r1929[0...2] Identified cable resistance

VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Ohm]	- [Ohm]	- [Ohm]

r1932[0...19] d inductance identified

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

r1933[0...19] d inductance identification current

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r1934[0...9] q inductance identified

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

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r1934[0...9] q inductance identified

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min - [mH]
Max - [mH]
Factory setting - [mH]

r1935[0...20] Identification current

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min - [Arms]
Max - [Arms]
Factory setting - [Arms]

r1935[0...20] Identification current

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min - [Arms]
Max - [Arms]
Factory setting - [Arms]

r1935[0...9] q inductance identification current

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min - [Arms]
Max - [Arms]
Factory setting - [Arms]

r1936 Magnetizing inductance identified

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min - [mH]
Max - [mH]
Factory setting - [mH]

r1937[0...10] Torque constant identified

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** 28_1 **Unit selection:** p0100
Not for motor type: - **Scaling:** - **Expert list:** 1

Min - [Nm/A]
Max - [Nm/A]
Factory setting - [Nm/A]

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r1937[0...10] Force constant identified

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** 29_1 **Unit selection:** p0100
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [N/Arms]	- [N/Arms]	- [N/Arms]

r1938 Voltage constant identified

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

r1938 Voltage constant identified

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Vrms s/m]	- [Vrms s/m]	- [Vrms s/m]

r1939 Reluctance torque constant identified

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

r1939 Reluctance force constant identified

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

r1947 Optimum load angle identified

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [°]	- [°]	- [°]

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r1948 Magnetizing current identified

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r1950[0...19] Voltage emulation error voltage values

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

r1951[0...19] Voltage emulation error current values

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

p1952[0...n] Voltage emulation error final value

SERVO (Exp M_ctrl)

Can be changed: T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.000 [V]	100.000 [V]	0.000 [V]

p1953[0...n] Voltage emulation error current offset

SERVO (Exp M_ctrl)

Can be changed: T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.000 [A]	100.000 [A]	0.000 [A]

p1958[0...n] Rotating measurement ramp-up/ramp-down time

SERVO

Can be changed: T **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-1.00 [s]	999999.00 [s]	-1.00 [s]

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p1958[0...n] **Moving measurement ramp-up/ramp-down time**

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1.00 [s]	999999.00 [s]	-1.00 [s]

p1959[0...n] **Rotating measurement configuration**

SERVO

Can be changed: T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 1110 1110 0110 bin

p1959[0...n] **Moving measurement configuration**

SERVO (Lin)

Can be changed: T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 1110 1110 0110 bin

p1959[0...n] **Rotating measurement configuration**

VECTOR (n/M)

Can be changed: T | **Calculated:** CALC_MOD_ALL | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0001 1111 bin

p1960 **Rotating measurement selection**

SERVO

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-3	1	0

p1960 **Moving measurement selection**

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-3	1	0

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p1960 **Rotating measurement selection**

VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	4	0

p1961 **Saturation characteristic speed to determine**

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
26 [%]	75 [%]	40 [%]

r1962[0...9] **Saturation characteristic magnetizing current identified**

SERVO

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r1962[0...4] **Saturation characteristic magnetizing current**

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r1963[0...9] **Saturation characteristic stator flux identified**

SERVO

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r1963[0...4] **Saturation characteristic magnetizing inductance**

VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

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r1964[0...4] Saturation characteristic rotor flux

VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 4
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Motor identification
Units group: -
Unit selection: -
Not for motor type: PEM, REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

p1965 Speed_ctrl_opt speed

VECTOR (n/M)

Can be changed: U, T
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Motor identification
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
10 [%]	75 [%]	40 [%]

p1967 Speed_ctrl_opt dynamic factor

VECTOR (n/M)

Can be changed: U, T
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Motor identification
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
1 [%]	400 [%]	100 [%]

r1968 Speed_ctrl_opt dynamic factor current

VECTOR (n/M)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Motor identification
Units group: -
Unit selection: -
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r1969 Moment of inertia identified

SERVO

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Motor identification
Units group: 25_1
Unit selection: p0100
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
- [kgm²]	- [kgm²]	- [kgm²]

r1969 High load inertia identified

SERVO (Lin)

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Motor identification
Units group: 27_1
Unit selection: p0100
Not for motor type: REL
Scaling: -
Expert list: 1

Min	Max	Factory setting
- [kg]	- [kg]	- [kg]

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r1969 Speed_ctrl_opt moment of inertia determined

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** 25_1 **Unit selection:** p0100
Not for motor type: REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [kgm²]	- [kgm²]	- [kgm²]

r1970[0...1] Speed_ctrl_opt vibration test vibration frequency determined

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Hz]	- [Hz]	- [Hz]

r1971[0...1] Speed_ctrl_opt vibration test standard deviation determined

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Hz]	- [Hz]	- [Hz]

r1972[0...1] Speed_ctrl_opt vibration test number of periods determined

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r1973[0...1] Encoder, pulse number identified

SERVO

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r1973 Rotating measurement, encoder test pulse number determined

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r1979.0...11 BO: Speed_ctrl_opt status

VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p1980[0...n] Pole position identification technique

SERVO

Can be changed: U, T **Calculated:** CALC_MOD_ALL **Access level:** 3
Data type: Integer16 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	99	99

p1980[0...n] Pole position identification technique

VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: ASM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	10	4

p1981[0...n] Pole position identification maximum distance

SERVO

Can be changed: U, T **Calculated:** CALC_MOD_ALL **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0 [°]	180 [°]	10 [°]

p1982[0...n] Pole position identification selection

SERVO

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	2	0

p1982[0...n] Pole position identification selection

VECTOR

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** MDS, p0130 **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	2	0

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p1983 **Pole position identification, test**

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

r1984 **Pole position identification, angular difference**

SERVO, VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [°]	- [°]	- [°]

r1985 **Pole position identification, saturation characteristic**

SERVO, VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r1987 **Pole position identification trigger characteristic**

SERVO, VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

p1990 **Encoder adjustment, determine angular commutation offset**

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

p1990 **Encoder adjustment, determine angular commutation offset**

VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: ASM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	2	0

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p1991[0...n] Motor changeover, angular commutation correction

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-180 [°]	180 [°]	0 [°]

r1992 Pole position identification diagnostics

SERVO

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r1992 Pole position identification diagnostics

SERVO (Lin)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p1993[0...n] Pole position identification current, motion-based

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_EQU | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [Arms]	20000.00 [Arms]	0.00 [Arms]

p1994[0...n] Pole position identification rise time motion-based

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	2500 [ms]	100 [ms]

p1995[0...n] Pole position identification gain, motion-based

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor identification | **Units group:** 17_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [Nms/rad]	999999.000 [Nms/rad]	0.300 [Nms/rad]

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p1995[0...n] Pole position identification gain, motion-based

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor identification | **Units group:** 24_2 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [Ns/m]	999999.000 [Ns/m]	10.000 [Ns/m]

p1996[0...n] Pole position identification, integral time motion-based

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [ms]	500.0 [ms]	2.0 [ms]

p1997[0...n] Pole position identification, smoothing time motion-based

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [ms]	50.0 [ms]	0.0 [ms]

p1999[0...n] Ang. commutation offset calibr. and pole position ID - scaling

VECTOR (n/M)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
10 [%]	5000 [%]	100 [%]

p2000 Reference frequency

A_INF, B_INF, S_INF

Can be changed: T | **Calculated:** CALC_MOD_ALL | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.10 [Hz]	1000.00 [Hz]	50.00 [Hz]

p2000 Reference speed reference frequency

SERVO

Can be changed: T | **Calculated:** CALC_MOD_ALL | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
6.00 [rpm]	210000.00 [rpm]	3000.00 [rpm]

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p2000 **Reference velocity, reference frequency**

SERVO (Lin)

Can be changed: T | **Calculated:** CALC_MOD_ALL | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.60 [m/min]	600.00 [m/min]	120.00 [m/min]

p2000 **Reference speed reference frequency**

TM41

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
6.00 [rpm]	210000.00 [rpm]	3000.00 [rpm]

p2000 **Reference speed reference frequency**

VECTOR

Can be changed: T | **Calculated:** CALC_MOD_ALL | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
6.00 [rpm]	210000.00 [rpm]	3000.00 [rpm]

p2001 **Reference voltage**

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
10 [Vrms]	100000 [Vrms]	1000 [Vrms]

p2002 **Reference current**

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.10 [Arms]	100000.00 [Arms]	100.00 [Arms]

p2003 **Reference torque**

SERVO, TM41, VECTOR

Can be changed: T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** 7_2 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.01 [Nm]	20000000.00 [Nm]	1.00 [Nm]

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p2003 Reference force

SERVO (Lin)

Can be changed: T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** 8_2 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.01 [N]	20000000.00 [N]	100.00 [N]

r2004 Reference power

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** 14_10 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [kW]	- [kW]	- [kW]

p2005 Reference angle

SERVO, TM41, VECTOR

Can be changed: T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
90.00 [°]	180.00 [°]	90.00 [°]

p2007 Reference acceleration

SERVO, TM41, VECTOR

Can be changed: T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.01 [rev/s²]	500000.00 [rev/s²]	0.01 [rev/s²]

p2007 Reference acceleration

SERVO (Lin)

Can be changed: T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** 22_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.01 [m/s²]	10000.00 [m/s²]	0.01 [m/s²]

r2032 Master control, control word effective

A_INF, B_INF, S_INF

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r2032 **Master control, control word effective**

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2032 **Master control, control word effective**

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p2037 **PROFIdrive STW1.10 = 0 mode**

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	2	0

p2038 **PROFIdrive STW/ZSW interface mode**

SERVO

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	1	1

p2038 **PROFIdrive STW/ZSW interface mode**

SERVO, VECTOR

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	2	0

p2038 **PROFIdrive STW/ZSW interface mode**

SERVO (EPOS, Pos ctrl)

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	0	1

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p2038 **PROFIdrive STW/ZSW interface mode**

SERVO (EPOS, Pos ctrl), VECTOR (EPOS, Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	0	0

p2039 **Select debug monitor interface**

CU_I

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	1

p2039 **Select debug monitor interface**

CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

p2040 **COMM INT monitoring time**

CU_CX32, CU_I, CU_LINK

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	65535000 [ms]	20 [ms]

p2042 **PROFIBUS Ident Number**

CU_S

Can be changed: C1(1) | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

r2043.0...1 **BO: PROFIdrive PZD state**

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned8 | **Dynamic index:** - | **Func. diagram:** 2410
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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p2044 **PROFIdrive fault delay**

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2410
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [s]	100 [s]	0 [s]

p2045 **CI: PROFIdrive clock-cyc. synchr. master sign-of-life, signal source**

CU_CX32, CU_I, CU_S, SERVO, TM41, VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Integer16 | **Dynamic index:** - | **Func. diagram:** 2410
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2047 **PROFIBUS additional monitoring time**

CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2410
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	2000 [ms]	0 [ms]

p2048 **IF1 PROFIdrive PZD sampling time**

CU_CX32, CU_I, CU_S

Can be changed: C1(3) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1.00 [ms]	16.00 [ms]	4.00 [ms]

r2050[0...4] **CO: IF1 PROFIdrive PZD receive word**

A_INF, B_INF, CU_CX32, CU_I, CU_S, S_INF, TB30, TM15DI_DO, TM31

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** 4000H | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2050[0...15] **CO: IF1 PROFIdrive PZD receive word**

SERVO, TM41

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 2440, 2468
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** 4000H | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r2050[0...31] CO: IF1 PROFIdrive PZD receive word

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** 2440, 2468
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** 4000H **Expert list:** 1

Min	Max	Factory setting
-	-	-

p2051[0...7] CI: IF1 PROFIdrive PZD send word

A_INF, B_INF, S_INF

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** 4000H **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2051[0...14] CI: IF1 PROFIdrive PZD send word

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** 4000H **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2051[0...18] CI: IF1 PROFIdrive PZD send word

SERVO, TM41

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / Integer16 **Dynamic index:** - **Func. diagram:** 2470
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** 4000H **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2051[0...4] CI: IF1 PROFIdrive PZD send word

TB30, TM15DI_DO, TM31

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** 4000H **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2051[0...31] CI: IF1 PROFIdrive PZD send word

VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / Integer16 **Dynamic index:** - **Func. diagram:** 2470
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** 4000H **Expert list:** 1

Min	Max	Factory setting
-	-	0

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r2053[0...7] IF1 PROFIdrive diagnostics PZD send word

A_INF, B_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2053[0...14] IF1 PROFIdrive diagnostics PZD send word

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2053[0...18] IF1 PROFIdrive diagnostics PZD send word

SERVO, TM41

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2450, 2470
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2053[0...4] IF1 PROFIdrive diagnostics PZD send word

TB30, TM15DI_DO, TM31

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2053[0...31] IF1 PROFIdrive diagnostics PZD send word

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2450, 2470
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2054 COMM INT state

CU_CX32, CU_I, CU_LINK

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	255	-

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r2054 **PROFIBUS status**

CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** 2410
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	4	-

r2055[0...2] **PROFIBUS diagnostics standard**

CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2410
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2057 **PROFIBUS address switch diagnostics**

CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2410
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2058[0...139] **COMM INT receive configuration data**

CU_CX32, CU_I, CU_LINK

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2059[0...7] **COMM INT identification data**

CU_CX32, CU_I, CU_LINK

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2060[0...14] **CO: IF1 PROFIdrive PZD receive double word**

SERVO, TM41

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer32 **Dynamic index:** - **Func. diagram:** 2440, 2468
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** 4000H **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r2060[0...30] CO: IF1 PROFIdrive PZD receive double word

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer32 **Dynamic index:** - **Func. diagram:** 2440, 2468
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** 4000H **Expert list:** 1

Min	Max	Factory setting
-	-	-

p2061[0...14] CI: IF1 PROFIdrive PZD send double word

SERVO, TM41

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / Integer32 **Dynamic index:** - **Func. diagram:** 2470
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** 4000H **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2061[0...30] CI: IF1 PROFIdrive PZD send double word

VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / Integer32 **Dynamic index:** - **Func. diagram:** 2470
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** 4000H **Expert list:** 1

Min	Max	Factory setting
-	-	0

r2063[0...14] IF1 PROFIdrive diagnostics PZD send double word

SERVO, TM41

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2450, 2470
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2063[0...30] IF1 PROFIdrive diagnostics PZD send double word

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2450, 2470
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2064[0...7] PROFIdrive diagnostics clock synchronous mode

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer32 **Dynamic index:** - **Func. diagram:** 2410
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r2065 **PROFIdrive master sign-of-life, diagnostics**

CU_CX32, CU_I, CU_S, SERVO, TM41, VECTOR (n/M)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2410
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p2066 **SYNC automatic warm restart**

CU_CX32, CU_I

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	1

p2066 **SYNC automatic warm restart**

CU_S

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

r2074[0...4] **IF1 PROFIdrive diagnostics bus address PZD receive**

A_INF, B_INF, CU_CX32, CU_I, CU_S, S_INF, TB30, TM15DI_DO, TM31

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2074[0...15] **IF1 PROFIdrive diagnostics bus address PZD receive**

SERVO, TM41

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2074[0...31] **IF1 PROFIdrive diagnostics bus address PZD receive**

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r2075[0...4] IF1 PROFIdrive diagnostics telegram offset PZD receive

A_INF, B_INF, CU_CX32, CU_I, CU_S, S_INF, TB30, TM15DI_DO, TM31

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2075[0...15] IF1 PROFIdrive diagnostics telegram offset PZD receive

SERVO, TM41

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2075[0...31] IF1 PROFIdrive diagnostics telegram offset PZD receive

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2076[0...7] IF1 PROFIdrive diagnostics telegram offset PZD send

A_INF, B_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2076[0...14] IF1 PROFIdrive diagnostics telegram offset PZD send

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2076[0...18] IF1 PROFIdrive diagnostics telegram offset PZD send

SERVO, TM41

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r2076[0...4] IF1 PROFIdrive diagnostics telegram offset PZD send

TB30, TM15DI_DO, TM31

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2076[0...31] IF1 PROFIdrive diagnostics telegram offset PZD send

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2077[0...15] PROFIBUS diagnostics peer-to-peer data transfer addresses

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p2079 PROFIdrive PZD telegram selection extended

A_INF, B_INF, S_INF

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
370	999	999

p2079 PROFIdrive PZD telegram selection extended

CU_CX32, CU_I, CU_S

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
390	999	999

p2079 PROFIdrive PZD telegram selection extended

SERVO

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	999	999

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p2079 **PROFIdrive PZD telegram selection extended**

SERVO (EPOS, Pos ctrl), VECTOR (EPOS, n/M, Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
7	999	999

p2079 **PROFIdrive PZD telegram selection extended**

SERVO (Pos ctrl), VECTOR (n/M, Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
999	999	999

p2079 **PROFIdrive PZD telegram selection extended**

TM41

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
3	999	999

p2079 **PROFIdrive PZD telegram selection extended**

VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	999	999

p2079 **PROFIdrive PZD telegram selection extended**

VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	999	999

p2080[0...15] **BI: Binector-connector converter status word 1**

A_INF, B_INF, CU_CX32, CU_I, CU_S, S_INF, SERVO, TB30, TM15DI_DO, TM31, TM41, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2472
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p2081[0...15] BI: Binector-connector converter status word 2

A_INF, B_INF, CU_CX32, CU_I, CU_S, S_INF, SERVO, TB30, TM15DI_DO, TM31, TM41, VECTOR

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: Communications
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: 2472
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p2082[0...15] BI: Binector-connector converter status word 3

A_INF, B_INF, CU_CX32, CU_I, CU_S, S_INF, SERVO, TB30, TM15DI_DO, TM31, TM41, VECTOR

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: Communications
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: 2472
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p2083[0...15] BI: Binector-connector converter status word 4

A_INF, B_INF, CU_CX32, CU_I, CU_S, S_INF, SERVO, TB30, TM15DI_DO, TM31, TM41, VECTOR

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: Communications
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: 2472
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p2084[0...15] BI: Binector-connector converter status word 5

A_INF, B_INF, CU_CX32, CU_I, CU_S, S_INF, SERVO, TB30, TM15DI_DO, TM31, TM41, VECTOR

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: Communications
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: 2472
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p2088[0...4] Invert binector-connector converter status word

A_INF, B_INF, CU_CX32, CU_I, CU_S, S_INF, SERVO, TB30, TM15DI_DO, TM31, TM41, VECTOR

Can be changed: U, T
Data type: Unsigned16
P-Group: Communications
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: 2472
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

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r2089[0...4] CO: Send binector-connector converter status word

A_INF, B_INF, CU_CX32, CU_I, CU_S, S_INF, SERVO, TB30, TM15DI_DO, TM31, TM41, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2472
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2090.0...15 BO: IF1 PROFIBUS PZD1 receive bit-serial

A_INF, B_INF, CU_CX32, CU_I, CU_S, S_INF, SERVO, TB30, TM15DI_DO, TM31, TM41, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2468
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2091.0...15 BO: IF1 PROFIdrive PZD2 receive bit-serial

A_INF, B_INF, CU_CX32, CU_I, CU_S, S_INF, SERVO, TB30, TM15DI_DO, TM31, TM41, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2468
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2092.0...15 BO: IF1 PROFIdrive PZD3 receive bit-serial

SERVO, TM41, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2468
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2093.0...15 BO: IF1 PROFIdrive PZD4 receive bit-serial

SERVO, TM41, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2468
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r2094.0...15 BO: Connector-binector converter binector output

A_INF, B_INF, CU_CX32, CU_I, CU_S, S_INF, SERVO, TB30, TM15DI_DO, TM31, TM41, VECTOR

Can be changed: -
Data type: Unsigned16
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 2468
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r2095.0...15 BO: Connector-binector converter binector output

A_INF, B_INF, CU_CX32, CU_I, CU_S, S_INF, SERVO, TB30, TM15DI_DO, TM31, TM41, VECTOR

Can be changed: -
Data type: Unsigned16
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 2468
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p2098[0...1] Inverter connector-binector converter binector output

A_INF, B_INF, CU_CX32, CU_I, CU_S, S_INF, SERVO, TB30, TM15DI_DO, TM31, TM41, VECTOR

Can be changed: U, T
Data type: Unsigned16
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 2468
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

p2099[0...1] CI: Connector-binector converter signal source

A_INF, B_INF, CU_CX32, CU_I, CU_S, S_INF, SERVO, TB30, TM15DI_DO, TM31, TM41, VECTOR

Can be changed: U, T
Data type: Unsigned32 / Integer16
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 2468
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

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p2100[0...19] Setting the fault number for fault response

All objects

Can be changed: U, T
Data type: Unsigned16
P-Group: Messages
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 1750, 8075
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	65535	[0] 0
		[1] 0
		[2] 0
		[3] 0
		[4] 0
		[5] 0
		[6] 0
		[7] 0
		[8] 0
		[9] 0
		[10] 0
		[11] 0
		[12] 0
		[13] 0
		[14] 0
		[15] 0
		[16] 0
		[17] 0
		[18] 0
		[19] 0

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p2100[0...19] Setting the fault number for fault response

SERVO

Can be changed: U, T
Data type: Unsigned16
P-Group: Messages
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 1750, 8075
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	65535	[0] 7841
		[1] 0
		[2] 0
		[3] 0
		[4] 0
		[5] 0
		[6] 0
		[7] 0
		[8] 0
		[9] 0
		[10] 0
		[11] 0
		[12] 0
		[13] 0
		[14] 0
		[15] 0
		[16] 0
		[17] 0
		[18] 0
		[19] 0

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p2101[0...19] Setting the fault response

A_INF, B_INF, S_INF

Can be changed: U, T
Data type: Integer16
P-Group: Messages
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 1750, 8075
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	2	[0] 0
		[1] 0
		[2] 0
		[3] 0
		[4] 0
		[5] 0
		[6] 0
		[7] 0
		[8] 0
		[9] 0
		[10] 0
		[11] 0
		[12] 0
		[13] 0
		[14] 0
		[15] 0
		[16] 0
		[17] 0
		[18] 0
		[19] 0

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p2101[0...19] Setting the fault response

CU_CX32, CU_I, CU_LINK, CU_S, HUB, TB30, TM15, TM15DI_DO, TM17, TM31, TM54F_MA, TM54F_SL

Can be changed: U, T
Data type: Integer16
P-Group: Messages
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 1750, 8075
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	0	[0] 0
		[1] 0
		[2] 0
		[3] 0
		[4] 0
		[5] 0
		[6] 0
		[7] 0
		[8] 0
		[9] 0
		[10] 0
		[11] 0
		[12] 0
		[13] 0
		[14] 0
		[15] 0
		[16] 0
		[17] 0
		[18] 0
		[19] 0

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p2101[0...19] Setting the fault response

SERVO

Can be changed: U, T
Data type: Integer16
P-Group: Messages
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 1750, 8075
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	7	[0] 3
		[1] 4
		[2] 4
		[3] 4
		[4] 4
		[5] 4
		[6] 4
		[7] 4
		[8] 4
		[9] 4
		[10] 4
		[11] 4
		[12] 4
		[13] 4
		[14] 4
		[15] 4
		[16] 4
		[17] 4
		[18] 4
		[19] 4

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p2101[0...19] Setting the fault response

SERVO, TM41, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 1750, 8075
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	7	[0] 0
		[1] 0
		[2] 0
		[3] 0
		[4] 0
		[5] 0
		[6] 0
		[7] 0
		[8] 0
		[9] 0
		[10] 0
		[11] 0
		[12] 0
		[13] 0
		[14] 0
		[15] 0
		[16] 0
		[17] 0
		[18] 0
		[19] 0

p2102 BI: Acknowledge all faults

CU_CX32, CU_I

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2546, 8060
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	2090.7

p2102 BI: Acknowledge all faults

CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2546, 8060
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p2103[0...n] BI: 1. Acknowledge faults

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: U, T
Calculated: -
Access level: 3
Data type: Unsigned32 / Binary
Dynamic index: CDS, p0170
Func. diagram: 2441, 2442, 2443, 2447, 2475, 2546, 9220, 9677, 9678
P-Group: Messages
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p2103 BI: 1. Acknowledge faults

CU_CX32, CU_I, CU_LINK, CU_S, HUB, TB30, TM15, TM15DI_DO, TM17, TM31, TM54F_MA, TM54F_SL

Can be changed: U, T
Calculated: -
Access level: 3
Data type: Unsigned32 / Binary
Dynamic index: -
Func. diagram: -
P-Group: Messages
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p2104[0...n] BI: 2. Acknowledge faults

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: U, T
Calculated: -
Access level: 3
Data type: Unsigned32 / Binary
Dynamic index: CDS, p0170
Func. diagram: 2546, 8060
P-Group: Messages
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p2104 BI: 2. Acknowledge faults

CU_CX32, CU_I, CU_LINK, CU_S, HUB, TB30, TM15, TM15DI_DO, TM17, TM31, TM54F_MA, TM54F_SL

Can be changed: U, T
Calculated: -
Access level: 3
Data type: Unsigned32 / Binary
Dynamic index: -
Func. diagram: -
P-Group: Messages
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p2105[0...n] BI: 3. Acknowledge faults

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: U, T
Calculated: -
Access level: 3
Data type: Unsigned32 / Binary
Dynamic index: CDS, p0170
Func. diagram: 2546, 8060
P-Group: Messages
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0

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p2105 BI: 3. Acknowledge faults

CU_CX32, CU_I, CU_LINK, CU_S, HUB, TB30, TM15, TM15DI_DO, TM17, TM31, TM54F_MA, TM54F_SL

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: Messages
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p2106[0...n] BI: External fault 1

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: Messages
Not for motor type: -
Calculated: -
Dynamic index: CDS, p0170
Units group: -
Scaling: -
Access level: 3
Func. diagram: 2546
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	1

p2106 BI: External fault 1

CU_CX32, CU_I, CU_LINK, CU_S, HUB, TB30, TM15, TM15DI_DO, TM17, TM31, TM54F_MA, TM54F_SL

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: Messages
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	1

p2107[0...n] BI: External fault 2

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: Messages
Not for motor type: -
Calculated: -
Dynamic index: CDS, p0170
Units group: -
Scaling: -
Access level: 3
Func. diagram: 2546
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	1

p2107 BI: External fault 2

CU_CX32, CU_I, CU_LINK, CU_S, HUB, TB30, TM15, TM15DI_DO, TM17, TM31, TM54F_MA, TM54F_SL

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: Messages
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	1

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p2108[0...n] **BI: External fault 3**

A_INF, B_INF, S_INF

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2546
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2108[0...n] **BI: External fault 3**

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2546
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p2108 **BI: External fault 3**

CU_CX32, CU_I, CU_LINK, CU_S, HUB, TB30, TM15, TM15DI_DO, TM17, TM31, TM54F_MA, TM54F_SL

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** -
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

r2109[0...63] **Fault time removed in milliseconds**

All objects

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 1750, 8060
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [ms]	- [ms]	- [ms]

r2110[0...63] **Alarm number**

All objects

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 8065
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p2111 **Alarm counter**

All objects

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1750, 8065
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	65535	0

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p2112[0...n] **BI: External alarm 1**

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2546
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p2112 **BI: External alarm 1**

CU_CX32, CU_I, CU_LINK, CU_S, HUB, TB30, TM15, TM15DI_DO, TM17, TM31, TM54F_MA, TM54F_SL

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** -
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

r2114[0...1] **System runtime**

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p2116[0...n] **BI: External alarm 2**

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2546
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p2116 **BI: External alarm 2**

CU_CX32, CU_I, CU_LINK, CU_S, HUB, TB30, TM15, TM15DI_DO, TM17, TM31, TM54F_MA, TM54F_SL

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** -
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p2117[0...n] **BI: External alarm 3**

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 2546
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

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p2117 BI: External alarm 3

CU_CX32, CU_I, CU_LINK, CU_S, HUB, TB30, TM15, TM15DI_DO, TM17, TM31, TM54F_MA, TM54F_SL

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: Messages
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	1

p2118[0...19] Sets the message number for message type.

All objects

Can be changed: U, T
Data type: Unsigned16
P-Group: Messages
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: 1750, 8075
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	65535	0

p2119[0...19] Setting the message type

All objects

Can be changed: U, T
Data type: Integer16
P-Group: Messages
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: 1750, 8075
Unit selection: -
Expert list: 1

Min	Max	Factory setting
1	3	1

r2120 CO: Sum of fault and alarm buffer changes

All objects

Can be changed: -
Data type: Unsigned16
P-Group: Messages
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 4
Func. diagram: 8065
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r2121 CO: Counter, alarm buffer changes

All objects

Can be changed: -
Data type: Unsigned16
P-Group: Messages
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 3
Func. diagram: 8065
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r2122[0...63] Alarm code

All objects

Can be changed: -
Data type: Unsigned16
P-Group: Messages
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 2
Func. diagram: 1750, 8065
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

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r2123[0...63] Alarm time received in milliseconds

All objects

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 1750, 8065
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [ms]	- [ms]	- [ms]

r2124[0...63] Alarm value

All objects

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer32 **Dynamic index:** - **Func. diagram:** 1750, 8065
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2125[0...63] Alarm time removed in milliseconds

All objects

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 1750, 8065
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [ms]	- [ms]	- [ms]

p2126[0...19] Setting fault number for acknowledge mode

All objects

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 1750, 8075
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	65535	0

p2127[0...19] Sets acknowledgement mode

All objects

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** 1750, 8075
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	3	1

p2128[0...15] Selecting fault/alarm code for trigger

All objects

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 1750, 8070
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	65535	0

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r2129.0...15 CO/BO: Trigger word for faults and alarms

All objects

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 1530, 8070
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2130[0...63] Fault time received in days

All objects

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 8060
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2131 CO: Current fault code

All objects

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 8060
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2132 CO: Current alarm code

All objects

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 8065
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2133[0...63] Fault value for float values

All objects

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8060
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2134[0...63] Alarm value for float values

All objects

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8065
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r2135.0...15 CO/BO: Status word faults/alarms 2

A_INF, B_INF, CU_CX32, CU_I, CU_LINK, CU_S, HUB, S_INF, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, TM54F_MA, TM54F_SL

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 1530, 2548
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2135.0...15 CO/BO: Status word faults/alarms 2

VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 1530, 2548
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2136[0...63] Fault time removed in days

All objects

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 8060
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2138.7...15 CO/BO: Control word faults/alarms

All objects

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 1530, 2546
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2139.0...12 CO/BO: Status word faults/alarms 1

All objects

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 1530, 2548
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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p2140[0...n] Hysteresis speed 2

SERVO, VECTOR

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 8010
P-Group: Messages
Units group: 3_1
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [rpm]	300.00 [rpm]	90.00 [rpm]

p2140[0...n] Hysteresis velocity 2

SERVO (Lin)

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 8010
P-Group: Messages
Units group: 4_1
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [m/min]	10.00 [m/min]	0.90 [m/min]

p2141[0...n] Speed threshold 1

SERVO, VECTOR

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 8010
P-Group: Messages
Units group: 3_1
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	5.00 [rpm]

p2141[0...n] Velocity threshold value 1

SERVO (Lin)

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 8010
P-Group: Messages
Units group: 4_1
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [m/min]	1000.00 [m/min]	0.05 [m/min]

p2142[0...n] Hysteresis speed 1

SERVO, VECTOR

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 8010
P-Group: Messages
Units group: 3_1
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [rpm]	300.00 [rpm]	2.00 [rpm]

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p2142[0...n] Hysteresis velocity 1

SERVO (Lin)

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 8010
P-Group: Messages
Units group: 4_1
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [m/min]	10.00 [m/min]	0.02 [m/min]

p2144[0...n] BI: Motor stall monitoring enable (negated)

SERVO, VECTOR

Can be changed: U, T
Calculated: -
Access level: 3
Data type: Unsigned32 / Binary
Dynamic index: CDS, p0170
Func. diagram: 8012
P-Group: -
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0

r2145[0...63] Alarm time received in days

All objects

Can be changed: -
Calculated: -
Access level: 3
Data type: Unsigned16
Dynamic index: -
Func. diagram: 8065
P-Group: Messages
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r2146[0...63] Alarm time removed in days

All objects

Can be changed: -
Calculated: -
Access level: 3
Data type: Unsigned16
Dynamic index: -
Func. diagram: 8065
P-Group: Messages
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p2147 Delete fault buffer of all drive objects

CU_CX32, CU_I, CU_S

Can be changed: U, T
Calculated: -
Access level: 4
Data type: Integer16
Dynamic index: -
Func. diagram: 8060
P-Group: Displays, signals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	1	0

p2148[0...n] BI: Ramp-function generator active

SERVO, VECTOR

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 3
Data type: Unsigned32 / Binary
Dynamic index: CDS, p0170
Func. diagram: 8010
P-Group: Messages
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0

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p2149[0...n] Monitoring configuration

SERVO, VECTOR

Can be changed: U, T
Calculated: -
Access level: 3
Data type: Unsigned16
Dynamic index: DDS, p0180
Func. diagram: 8010
P-Group: Messages
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

p2150[0...n] Hysteresis speed 3

SERVO, VECTOR

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 8010
P-Group: Messages
Units group: 3_1
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [rpm]	300.00 [rpm]	2.00 [rpm]

p2150[0...n] Hysteresis velocity 3

SERVO (Lin)

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 3
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 8010
P-Group: Messages
Units group: 4_1
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [m/min]	3.00 [m/min]	0.02 [m/min]

p2151[0...n] CI: Speed setpoint for messages/signals

SERVO

Can be changed: T
Calculated: -
Access level: 3
Data type: Unsigned32 / FloatingPoint32
Dynamic index: CDS, p0170
Func. diagram: 8010
P-Group: Messages
Units group: -
Unit selection: -
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
-	-	1438[0]

p2151[0...n] CI: Velocity setpoint for messages/signals

SERVO (Lin)

Can be changed: T
Calculated: -
Access level: 3
Data type: Unsigned32 / FloatingPoint32
Dynamic index: CDS, p0170
Func. diagram: 8010
P-Group: Messages
Units group: -
Unit selection: -
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
-	-	1438[0]

p2151[0...n] CI: Speed setpoint for messages/signals

VECTOR

Can be changed: T
Calculated: -
Access level: 3
Data type: Unsigned32 / FloatingPoint32
Dynamic index: CDS, p0170
Func. diagram: 8010
P-Group: Messages
Units group: -
Unit selection: -
Not for motor type: -
Scaling: p2000
Expert list: 1

Min	Max	Factory setting
-	-	1170[0]

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p2153[0...n] Speed actual value filter time constant

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8010
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	1000000 [ms]	0 [ms]

p2153[0...n] Velocity actual value filter time constant

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8010
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	1000000 [ms]	0 [ms]

p2154[0...n] CI: Speed setpoint 2

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 8010
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2154[0...n] CI: Velocity setpoint 2

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 8010
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2155[0...n] Speed threshold 2

SERVO, VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8010
P-Group: Messages | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	900.00 [rpm]

p2155[0...n] Velocity threshold value 2

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8010
P-Group: Messages | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	1000.00 [m/min]	9.00 [m/min]

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p2156[0...n] On delay, comparison value reached

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8010
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [ms]	10000.0 [ms]	0.0 [ms]

p2161[0...n] Speed threshold 3

SERVO, VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8010
P-Group: Messages | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	5.00 [rpm]

p2161[0...n] Velocity threshold value 3

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8010
P-Group: Messages | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	1000.00 [m/min]	0.05 [m/min]

p2162[0...n] Hysteresis speed n_act > n_max

SERVO, VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8010
P-Group: Messages | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	60000.00 [rpm]	0.00 [rpm]

p2162[0...n] Hysteresis velocity v_act > v_max

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8010
P-Group: Messages | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	1000.00 [m/min]	6.00 [m/min]

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p2163[0...n] Speed threshold 4

SERVO, VECTOR

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 8010
P-Group: Messages
Units group: 3_1
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	90.00 [rpm]

p2163[0...n] Velocity threshold value 4

SERVO (Lin)

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 8010
P-Group: Messages
Units group: 4_1
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [m/min]	1000.00 [m/min]	0.90 [m/min]

p2164[0...n] Hysteresis speed 4

SERVO, VECTOR

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 8010
P-Group: Messages
Units group: 3_1
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [rpm]	200.00 [rpm]	2.00 [rpm]

p2164[0...n] Hysteresis velocity 4

SERVO (Lin)

Can be changed: U, T
Calculated: CALC_MOD_LIM_REF
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 8010
P-Group: Messages
Units group: 4_1
Unit selection: p0505
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [m/min]	10.00 [m/min]	0.02 [m/min]

p2166[0...n] Off delay n_act = n_set

SERVO, VECTOR

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: DDS, p0180
Func. diagram: 8010
P-Group: Messages
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.0 [ms]	10000.0 [ms]	200.0 [ms]

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p2166[0...n] Switch-off delay v_act = v_set

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8010
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [ms]	10000.0 [ms]	200.0 [ms]

p2167[0...n] Switch-on delay n_act = n_set

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8010
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [ms]	10000.0 [ms]	200.0 [ms]

p2167[0...n] Switch-on delay v_act = v_set

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8010
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [ms]	10000.0 [ms]	200.0 [ms]

r2169 CO: Actual speed smoothed signals

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 1750, 8010, 8012, 8013
P-Group: Messages | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r2169 CO: Velocity actual value, smoothed signals

SERVO (Lin)

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 1750, 8010, 8012, 8013
P-Group: Messages | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

p2174[0...n] Torque threshold value 1

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8012
P-Group: Messages | **Units group:** 7_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [Nm]	20000000.00 [Nm]	5.13 [Nm]

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p2174[0...n] Force threshold value 1

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8012
P-Group: Messages | **Units group:** 8_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [N]	20000000.00 [N]	1000.00 [N]

p2175[0...n] Motor locked speed threshold

SERVO, VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8012
P-Group: Messages | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	120.00 [rpm]

p2175[0...n] Motor locked, velocity threshold

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8012
P-Group: Messages | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	1000.00 [m/min]	1.20 [m/min]

p2177[0...n] Motor locked delay time

SERVO, VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8012
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	65.000 [s]	1.000 [s]

p2178[0...n] Motor stalled delay time

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_REG | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8012
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	10.000 [s]	0.010 [s]

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p2181[0...n] Load monitoring response

SERVO (Extended msg), VECTOR (Extended msg)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8013
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	6	0

p2182[0...n] Load monitoring velocity threshold 1

SERVO (Extended msg, Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8013
P-Group: Messages | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	1000.00 [m/min]	0.05 [m/min]

p2182[0...n] Load monitoring speed threshold value 1

SERVO (Extended msg), VECTOR (Extended msg)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8013
P-Group: Messages | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	150.00 [rpm]

p2183[0...n] Load monitoring velocity threshold 2

SERVO (Extended msg, Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8013
P-Group: Messages | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	1000.00 [m/min]	0.05 [m/min]

p2183[0...n] Load monitoring speed threshold value 2

SERVO (Extended msg), VECTOR (Extended msg)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8013
P-Group: Messages | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	900.00 [rpm]

p2184[0...n] Load monitoring velocity threshold 3

SERVO (Extended msg, Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8013
P-Group: Messages | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	1000.00 [m/min]	0.05 [m/min]

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p2184[0...n] Load monitoring speed threshold value 3

SERVO (Extended msg), VECTOR (Extended msg)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8013
P-Group: Messages | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	1500.00 [rpm]

p2185[0...n] Load monitoring force threshold 1, upper

SERVO (Extended msg, Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8013
P-Group: Messages | **Units group:** 8_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [N]	100000.00 [N]	100000.00 [N]

p2185[0...n] Load monitoring torque threshold 1, upper

SERVO (Extended msg), VECTOR (Extended msg)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8013
P-Group: Messages | **Units group:** 7_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [Nm]	20000000.00 [Nm]	10000000.00 [Nm]

p2186[0...n] Load monitoring force threshold 1, lower

SERVO (Extended msg, Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8013
P-Group: Messages | **Units group:** 8_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [N]	100000.00 [N]	0.00 [N]

p2186[0...n] Load monitoring torque threshold 1, lower

SERVO (Extended msg), VECTOR (Extended msg)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8013
P-Group: Messages | **Units group:** 7_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [Nm]	20000000.00 [Nm]	0.00 [Nm]

p2187[0...n] Load monitoring force threshold 2, upper

SERVO (Extended msg, Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8013
P-Group: Messages | **Units group:** 8_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [N]	100000.00 [N]	100000.00 [N]

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p2187[0...n] Load monitoring torque threshold 2, upper

SERVO (Extended msg), VECTOR (Extended msg)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Messages
Not for motor type: -
Calculated: -
Dynamic index: DDS, p0180
Units group: 7_1
Scaling: -
Access level: 3
Func. diagram: 8013
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
0.00 [Nm]	20000000.00 [Nm]	10000000.00 [Nm]

p2188[0...n] Load monitoring force threshold 2, lower

SERVO (Extended msg, Lin)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Messages
Not for motor type: -
Calculated: -
Dynamic index: DDS, p0180
Units group: 8_1
Scaling: -
Access level: 3
Func. diagram: 8013
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
0.00 [N]	100000.00 [N]	0.00 [N]

p2188[0...n] Load monitoring torque threshold 2, lower

SERVO (Extended msg), VECTOR (Extended msg)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Messages
Not for motor type: -
Calculated: -
Dynamic index: DDS, p0180
Units group: 7_1
Scaling: -
Access level: 3
Func. diagram: 8013
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
0.00 [Nm]	20000000.00 [Nm]	0.00 [Nm]

p2189[0...n] Load monitoring force threshold 3, upper

SERVO (Extended msg, Lin)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Messages
Not for motor type: -
Calculated: -
Dynamic index: DDS, p0180
Units group: 8_1
Scaling: -
Access level: 3
Func. diagram: 8013
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
0.00 [N]	100000.00 [N]	100000.00 [N]

p2189[0...n] Load monitoring torque threshold 3, upper

SERVO (Extended msg), VECTOR (Extended msg)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Messages
Not for motor type: -
Calculated: -
Dynamic index: DDS, p0180
Units group: 7_1
Scaling: -
Access level: 3
Func. diagram: 8013
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
0.00 [Nm]	20000000.00 [Nm]	10000000.00 [Nm]

p2190[0...n] Load monitoring force threshold 3, lower

SERVO (Extended msg, Lin)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Messages
Not for motor type: -
Calculated: -
Dynamic index: DDS, p0180
Units group: 8_1
Scaling: -
Access level: 3
Func. diagram: 8013
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
0.00 [N]	100000.00 [N]	0.00 [N]

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p2190[0...n] Load monitoring torque threshold 3, lower

SERVO (Extended msg), VECTOR (Extended msg)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8013
P-Group: Messages | **Units group:** 7_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [Nm]	20000000.00 [Nm]	0.00 [Nm]

p2192[0...n] Load monitoring delay time

SERVO (Extended msg), VECTOR (Extended msg)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8013
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [s]	65.00 [s]	10.00 [s]

p2194[0...n] Torque threshold value 2

SERVO, VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8012
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	100.00 [%]	90.00 [%]

p2194[0...n] Force threshold value 2

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8012
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	100.00 [%]	90.00 [%]

p2195[0...n] Torque utilization switch-off delay

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8012
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [ms]	1000.0 [ms]	800.0 [ms]

p2195[0...n] Force utilization switch-off delay

SERVO (Lin)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 8012
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [ms]	1000.0 [ms]	800.0 [ms]

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p2196[0...n] Scaling torque utilization

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	1000.00 [%]	100.00 [%]

r2197.1...7 CO/BO: Status word monitoring 1

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1530, 2534
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2197.1...7 CO/BO: Status word monitoring 1

SERVO (Lin)

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1530, 2534
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2198.4...12 CO/BO: Status word monitoring 2

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1530, 2536
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2198.4...12 CO/BO: Status word monitoring 2

SERVO (Lin)

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1530, 2536
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2199.0...11 CO/BO: Status word monitoring 3

SERVO

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 1530, 2537
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r2199.0...11 CO/BO: Status word monitoring 3

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 1530, 2537
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2199.0...11 CO/BO: Status word monitoring 3

VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 1530, 2537, 8018
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p2200[0...n] BI: Technology controller enable

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T **Calculated:** - **Access level:** 2
Data type: Unsigned32 / Binary **Dynamic index:** CDS, p0170 **Func. diagram:** 7958
P-Group: Technology **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2201[0...n] CO: Technology controller, fixed value 1

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** 7950
P-Group: Technology **Units group:** 9_1 **Unit selection:** p0595
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
-200.00 [%]	200.00 [%]	10.00 [%]

p2202[0...n] CO: Technology controller, fixed value 2

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** 7950
P-Group: Technology **Units group:** 9_1 **Unit selection:** p0595
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
-200.00 [%]	200.00 [%]	20.00 [%]

p2203[0...n] CO: Technology controller, fixed value 3

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** 7950
P-Group: Technology **Units group:** 9_1 **Unit selection:** p0595
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
-200.00 [%]	200.00 [%]	30.00 [%]

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p2204[0...n] CO: Technology controller, fixed value 4

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7950
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-200.00 [%]	200.00 [%]	40.00 [%]

p2205[0...n] CO: Technology controller, fixed value 5

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7950
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-200.00 [%]	200.00 [%]	50.00 [%]

p2206[0...n] CO: Technology controller, fixed value 6

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7950
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-200.00 [%]	200.00 [%]	60.00 [%]

p2207[0...n] CO: Technology controller, fixed value 7

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7950
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-200.00 [%]	200.00 [%]	70.00 [%]

p2208[0...n] CO: Technology controller, fixed value 8

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7950
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-200.00 [%]	200.00 [%]	80.00 [%]

p2209[0...n] CO: Technology controller, fixed value 9

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7950
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-200.00 [%]	200.00 [%]	90.00 [%]

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p2210[0...n] CO: Technology controller, fixed value 10

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7950
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-200.00 [%]	200.00 [%]	100.00 [%]

p2211[0...n] CO: Technology controller, fixed value 11

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7950
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-200.00 [%]	200.00 [%]	110.00 [%]

p2212[0...n] CO: Technology controller, fixed value 12

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7950
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-200.00 [%]	200.00 [%]	120.00 [%]

p2213[0...n] CO: Technology controller, fixed value 13

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7950
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-200.00 [%]	200.00 [%]	130.00 [%]

p2214[0...n] CO: Technology controller, fixed value 14

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7950
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-200.00 [%]	200.00 [%]	140.00 [%]

p2215[0...n] CO: Technology controller, fixed value 15

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7950
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-200.00 [%]	200.00 [%]	150.00 [%]

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p2220[0...n] BI: Technology controller fixed value selection bit 0

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 7950
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2221[0...n] BI: Technology controller fixed value selection bit 1

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 7950
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2222[0...n] BI: Technology controller fixed value selection bit 2

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 7950
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2223[0...n] BI: Technology controller fixed value selection bit 3

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 7950
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

r2224 CO: Technology controller, fixed value effective

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7950
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r2229 Technology controller current number

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 7950
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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p2230[0...n] Technology controller motorized potentiometer configuration

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7954
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0110 bin

r2231 Technology controller motorized potentiometer setpoint memory

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7954
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

p2235[0...n] BI: Technology controller motorized potentiometer raise setpoint

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 7954
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2236[0...n] BI: Technology controller motorized potentiometer lower setpoint

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 7954
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2237[0...n] Technology controller motorized potentiometer maximum value

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7954
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-200.00 [%]	200.00 [%]	100.00 [%]

p2238[0...n] Technology controller motorized potentiometer minimum value

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7954
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-200.00 [%]	200.00 [%]	-100.00 [%]

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p2240[0...n] Technology controller motorized potentiometer starting value

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7954
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-200.00 [%]	200.00 [%]	0.00 [%]

r2245 CO: Technology controller mot. potentiometer setpoint before RFG

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7954
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

p2247[0...n] Technology controller motorized potentiometer ramp-up time

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7954
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [s]	1000.0 [s]	10.0 [s]

p2248[0...n] Technology controller motorized potentiometer ramp-down time

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7954
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [s]	1000.0 [s]	10.0 [s]

r2250 CO: Technology controller motorized potentiometer setpoint after RFG

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7954
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

p2253[0...n] CI: Technology controller setpoint 1

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 7958
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p2254[0...n] CI: Technology controller setpoint 2

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 7958
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2255 Technology controller setpoint 1 scaling

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7958
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	100.00 [%]	100.00 [%]

p2256 Technology controller setpoint 2 scaling

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7958
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	100.00 [%]	100.00 [%]

p2257 Technology controller, ramp-up time

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7958
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [s]	650.00 [s]	1.00 [s]

p2258 Technology controller ramp-down time

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7958
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [s]	650.00 [s]	1.00 [s]

r2260 CO: Technology controller setpoint after ramp-function generator

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7958
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

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p2261 Technology controller setpoint filter time constant

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7958
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [s]	60.00 [s]	0.00 [s]

r2262 CO: Technology controller setpoint after filter

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7958
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

p2263 Technology controller type

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 7958
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

p2264[0...n] CI: Technology controller actual value

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 7958
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2265 Technology controller actual value filter time constant

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7958
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [s]	60.00 [s]	0.00 [s]

r2266 CO: Technology controller actual value after filter

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7958
P-Group: Technology | **Units group:** 9_1 | **Unit selection:** p0595
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

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r2273 CO: Technology controller error

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: -
Data type: FloatingPoint32
P-Group: Technology
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: 9_1
Scaling: PERCENT

Access level: 2
Func. diagram: 7958
Unit selection: p0595
Expert list: 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

p2274 Technology controller differentiation, time constant

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Technology
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 7958
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.000 [s]	60.000 [s]	0.000 [s]

p2280 Technology controller proportional gain

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Technology
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 7958
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.000	1000.000	1.000

p2285 Technology controller integral time

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Technology
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 7958
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.000 [s]	60.000 [s]	0.000 [s]

p2289[0...n] CI: Technology controller pre-control signal

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T
Data type: Unsigned32 / FloatingPoint32
P-Group: Technology
Not for motor type: -

Calculated: -
Dynamic index: CDS, p0170
Units group: -
Scaling: PERCENT

Access level: 2
Func. diagram: 7958
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p2291 CO: Technology controller maximum limiting

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Technology
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: PERCENT

Access level: 2
Func. diagram: 7958
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-200.00 [%]	200.00 [%]	100.00 [%]

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p2292 CO: Technology controller minimum limiting

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7958
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-200.00 [%]	200.00 [%]	0.00 [%]

p2293 Technology controller ramp-up/ramp-down time

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7958
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [s]	100.00 [s]	1.00 [s]

r2294 CO: Technology controller output signal

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7958
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

p2295 CO: Technology controller output scaling

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7958
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-100.00 [%]	100.00 [%]	100.00 [%]

p2296[0...n] CI: Technology controller output scaling

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 7958
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	2295[0]

p2297[0...n] CI: Technology controller maximum limiting

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 7958
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	2291[0]

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p2298[0...n] CI: Technology controller minimum limiting

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 7958
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	2292[0]

r2349.0...3 CO/BO: Technology controller status word

SERVO (Tech_ctrl), VECTOR (Tech_ctrl)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 7958
P-Group: Technology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p2369 BI: Staging control word

VECTOR (Tech_ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2502[0...n] LR encoder assignment

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: C2(25) | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 4010
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	3	1

p2503[0...n] LR length unit LU per 10 mm

SERVO (APC, Pos ctrl), VECTOR (Pos ctrl)

Can be changed: C2(25) | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 4010
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1 [LU]	2147483647 [LU]	10000 [LU]

p2504[0...n] LR motor/load motor path

SERVO (APC, Lin, Pos ctrl)

Can be changed: C2(25) | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 4010, 4704, 4711
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	1048576	1

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p2504[0...n] LR motor/load motor revolutions

SERVO (APC, Pos ctrl), VECTOR (Pos ctrl)

Can be changed: C2(25) **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** DDS, p0180 **Func. diagram:** 4010, 4704, 4711
P-Group: Closed loop position control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	1048576	1

p2505[0...n] LR motor/load load path

SERVO (APC, Lin, Pos ctrl)

Can be changed: C2(25) **Calculated:** - **Access level:** 1
Data type: Integer32 **Dynamic index:** DDS, p0180 **Func. diagram:** 4010, 4704, 4711
P-Group: Closed loop position control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-1048576	1048576	1

p2505[0...n] LR motor/load load revolutions

SERVO (APC, Pos ctrl), VECTOR (Pos ctrl)

Can be changed: C2(25) **Calculated:** - **Access level:** 1
Data type: Integer32 **Dynamic index:** DDS, p0180 **Func. diagram:** 4010, 4704, 4711
P-Group: Closed loop position control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-1048576	1048576	1

p2506[0...n] LR length unit LU per load path

SERVO (APC, Lin, Pos ctrl)

Can be changed: C2(25) **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** DDS, p0180 **Func. diagram:** 4010
P-Group: Closed loop position control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1 [LU]	2147483647 [LU]	10000 [LU]

p2506[0...n] LR length unit LU per load revolution

SERVO (APC, Pos ctrl), VECTOR (Pos ctrl)

Can be changed: C2(25) **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** DDS, p0180 **Func. diagram:** 4010
P-Group: Closed loop position control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1 [LU]	2147483647 [LU]	10000 [LU]

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p2507[0...n] LR absolute encoder adjustment status

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** EDS | **Func. diagram:** 4010
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	3	1

p2508[0...3] BI: LR activate reference mark search

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 4010
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2509[0...3] BI: LR activating measuring probe evaluation

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 4010
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2510[0...3] BI: LR selecting measuring probe evaluation

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3615, 4010
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2511[0...3] BI: LR measuring probe evaluation edge

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3615, 4010
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2512[0...3] BI: LR pos. actual value preprocessing activate corr. value (edge)

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 4010, 4015
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p2513[0...3] CI: LR Position actual value preprocessing, corrective value

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Integer32 | **Dynamic index:** - | **Func. diagram:** 4010, 4015
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2514[0...3] BI: LR activate position actual value setting

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 4010
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2515[0...3] CI: LR position actual setting, setting value

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Integer32 | **Dynamic index:** - | **Func. diagram:** 4010
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2516[0...3] CI: LR position offset

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Integer32 | **Dynamic index:** - | **Func. diagram:** 4010
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2517[0...2] LR direct measuring probe 1

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 4010
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	16	0

p2518[0...2] LR direct measuring probe 2

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 4010
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	16	0

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p2519[0...n] LR position actual value preprocessing config. DDS changeover

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	5	1

r2520[0...2] CO: LR Position actual value preprocessing, encoder control word

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 4010
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2521[0...3] CO: LR position actual value

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** - | **Func. diagram:** 4010
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [LU]	- [LU]	- [LU]

r2522[0...3] CO: LR velocity actual value

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** - | **Func. diagram:** 4010
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [1000 LU/min]	- [1000 LU/min]	- [1000 LU/min]

r2523[0...3] CO: LR measured value

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** - | **Func. diagram:** 4010
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [LU]	- [LU]	- [LU]

r2524 CO: LR LU/mm

SERVO (Lin, Pos ctrl)

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 4010
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [LU]	- [LU]	- [LU]

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r2524 CO: LR LU/revolution

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 4010
P-Group: Closed loop position control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [LU]	- [LU]	- [LU]

p2525[0...n] CO: LR encoder adjustment, offset

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** 4010
P-Group: Closed loop position control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0 [LU]	4294967295 [LU]	0 [LU]

r2526.0...9 CO/BO: LR status word

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed loop position control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2527.0...2 CO/BO: LR actual value sensing status word encoder 1

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed loop position control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2528.0...2 CO/BO: LR actual value sensing status word encoder 2

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed loop position control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2529.0...2 CO/BO: LR actual value sensing status word encoder 3

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed loop position control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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p2530 CI: LR position setpoint

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Integer32 | **Dynamic index:** - | **Func. diagram:** 4015, 4020
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2531 CI: LR velocity setpoint

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Integer32 | **Dynamic index:** - | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2532 CI: LR position actual value

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Integer32 | **Dynamic index:** - | **Func. diagram:** 4015, 4020, 4025
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	2521[0]

p2533[0...n] LR position setpoint filter, time constant

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	1000.00 [ms]	0.00 [ms]

p2534[0...n] LR velocity pre-control factor

SERVO (Lin, Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 4015, 4025
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	200.00 [%]	0.00 [%]

p2534[0...n] LR speed pre-control factor

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 4015, 4025
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	200.00 [%]	0.00 [%]

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p2535[0...n] LR velocity pre-control balancing filter dead time

SERVO (Lin, Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00	2.00	0.00

p2535[0...n] LR speed pre-control balancing filter dead time

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00	2.00	0.00

p2536[0...n] LR velocity pre-control, symmetrizing filter PT1

SERVO (Lin, Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	100.00 [ms]	0.00 [ms]

p2536[0...n] LR speed pre-control, symmetrizing filter PT1

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	100.00 [ms]	0.00 [ms]

p2537 CI: LR position controller adaptation

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p2538[0...n] LR proportional gain

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [1000/min]	300.000 [1000/min]	1.000 [1000/min]

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p2539[0...n] LR integral time

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	100000.00 [ms]	0.00 [ms]

p2540 CO: LR position controller output, velocity limit

SERVO (Lin, Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
0.000 [m/min]	1000.000 [m/min]	1000.000 [m/min]

p2540 CO: LR position controller output, speed limit

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
0.000 [rpm]	210000.000 [rpm]	210000.000 [rpm]

p2541 CI: LR position controller output velocity limit signal source

SERVO (Lin, Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	2540[0]

p2541 CI: LR position controller output, speed limit signal source

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	2540[0]

p2542 LR standstill window

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 4020
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [LU]	2147483647 [LU]	200 [LU]

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p2543 LR standstill monitoring time

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 4020
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	100000.00 [ms]	200.00 [ms]

p2544 LR positioning window

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 4020
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [LU]	2147483647 [LU]	40 [LU]

p2545 LR positioning monitoring time

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 4020
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	100000.00 [ms]	1000.00 [ms]

p2546[0...n] LR dynamic following error monitoring tolerance

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 4025
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [LU]	2147483647 [LU]	1000 [LU]

p2547 LR cam switching position 1

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** - | **Func. diagram:** 4025
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147483648 [LU]	2147483647 [LU]	0 [LU]

p2548 LR cam switching position 2

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** - | **Func. diagram:** 4025
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147483648 [LU]	2147483647 [LU]	0 [LU]

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p2549 BI: LR enable 1

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	899.2

p2550 BI: LR enable 2

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2551 BI: LR setpoint signal present

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 4020
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2552 BI: LR signal travel to fixed stop active

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 4025
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2553 BI: LR signal fixed stop reached

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 4025
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2554 BI: LR signal traversing command active

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 4020
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p2555 CI: LR LU/revolution LU/mm

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	2524[0]

r2556 CO: LR position setpoint after setpoint smoothing

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** - | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [LU]	- [LU]	- [LU]

r2557 CO: LR position controller input, system deviation

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** - | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [LU]	- [LU]	- [LU]

r2558 CO: LR position controller output, P component

SERVO (Lin, Pos ctrl)

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r2558 CO: LR position controller output, P component

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r2559 CO: LR position controller output, I component

SERVO (Lin, Pos ctrl)

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 4015
P-Group: Closed loop position control | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

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r2559 CO: LR position controller output, I component

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 4015
P-Group: Closed loop position control **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min **Max** **Factory setting**
- [rpm] - [rpm] - [rpm]

r2560 CO: LR velocity setpoint

SERVO (Lin, Pos ctrl)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 4015
P-Group: Closed loop position control **Units group:** 4_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min **Max** **Factory setting**
- [m/min] - [m/min] - [m/min]

r2560 CO: LR speed setpoint

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 4015
P-Group: Closed loop position control **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min **Max** **Factory setting**
- [rpm] - [rpm] - [rpm]

r2561 CO: LR velocity pre-control value

SERVO (Lin, Pos ctrl)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 4015
P-Group: Closed loop position control **Units group:** 4_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min **Max** **Factory setting**
- [m/min] - [m/min] - [m/min]

r2561 CO: LR speed pre-control value

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 4015
P-Group: Closed loop position control **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min **Max** **Factory setting**
- [rpm] - [rpm] - [rpm]

r2562 CO: LR velocity setpoint, total

SERVO (Lin, Pos ctrl)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 4015
P-Group: Closed loop position control **Units group:** 4_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min **Max** **Factory setting**
- [m/min] - [m/min] - [m/min]

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r2562 CO: LR total speed setpoint

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 4015
P-Group: Closed loop position control **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r2563 CO: LR following error dynamic model

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer32 **Dynamic index:** - **Func. diagram:** 4025
P-Group: Closed loop position control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [LU]	- [LU]	- [LU]

r2564 CO: LR force pre-control value

SERVO (Lin, Pos ctrl)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 4015
P-Group: Closed loop position control **Units group:** 8_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
- [N]	- [N]	- [N]

r2564 CO: LR torque pre-control value

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 4015
P-Group: Closed loop position control **Units group:** 7_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

r2565 CO: LR current following error

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer32 **Dynamic index:** - **Func. diagram:** 4015
P-Group: Closed loop position control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [LU]	- [LU]	- [LU]

r2566 LR velocity input pre-control

SERVO (Lin, Pos ctrl)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 4015
P-Group: Closed loop position control **Units group:** 4_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

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r2566 LR speed input pre-control

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed loop position control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: 3_1
Scaling: p2000

Access level: 1
Func. diagram: 4015
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

p2567[0...n] LR force pre-control mass

SERVO (Lin, Pos ctrl)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed loop position control
Not for motor type: -

Calculated: -
Dynamic index: DDS, p0180
Units group: 27_1
Scaling: -

Access level: 3
Func. diagram: 4015
Unit selection: p0100
Expert list: 1

Min	Max	Factory setting
0.000000 [kg]	10000.000000 [kg]	1.000000 [kg]

p2567[0...n] LR torque pre-control moment of inertia

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed loop position control
Not for motor type: -

Calculated: -
Dynamic index: DDS, p0180
Units group: 25_1
Scaling: -

Access level: 3
Func. diagram: 4015
Unit selection: p0100
Expert list: 1

Min	Max	Factory setting
0.000000 [kgm²]	100000.000000 [kgm²]	0.159155 [kgm²]

p2568 BI: EPOS STOP cam activation

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T
Data type: Unsigned32 / Binary
P-Group: Basic positioner
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 1
Func. diagram: 3630
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p2569 BI: EPOS STOP cam minus

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T
Data type: Unsigned32 / Binary
P-Group: Basic positioner
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 1
Func. diagram: 3630
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	1

p2570 BI: EPOS STOP cam plus

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T
Data type: Unsigned32 / Binary
P-Group: Basic positioner
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 1
Func. diagram: 3630
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	1

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p2571 EPOS maximum velocity

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 3630
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1 [1000 LU/min]	40000000 [1000 LU/min]	30000 [1000 LU/min]

p2572 EPOS maximum acceleration

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 3630
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1 [1000 LU/s²]	2000000 [1000 LU/s²]	100 [1000 LU/s²]

p2573 EPOS maximum deceleration

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 3630
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1 [1000 LU/s²]	2000000 [1000 LU/s²]	100 [1000 LU/s²]

p2574 EPOS jerk limiting

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 3635
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1 [1000 LU/s³]	100000000 [1000 LU/s³]	10000 [1000 LU/s³]

p2575 BI: EPOS jerk limiting activation

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3635
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2576 EPOS modulo correction, modulo range

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 3635
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1 [LU]	2147482647 [LU]	360000 [LU]

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p2577 BI: EPOS modulo correction activation

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3630, 3635
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2578 CI: EPOS software limit switch minus signal source

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Integer32 | **Dynamic index:** - | **Func. diagram:** 3630
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	2580[0]

p2579 CI: EPOS software limit switch plus signal source

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Integer32 | **Dynamic index:** - | **Func. diagram:** 3630
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	2581[0]

p2580 CO: EPOS software limit switch minus

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** - | **Func. diagram:** 3630
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147482648 [LU]	2147482647 [LU]	-2147482648 [LU]

p2581 CO: EPOS software limit switch plus

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** - | **Func. diagram:** 3630
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147482648 [LU]	2147482647 [LU]	2147482647 [LU]

p2582 BI: EPOS software limit switch activation

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3630
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p2583 EPOS backlash compensation

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T
Data type: Integer32
P-Group: Basic positioner
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 1
Func. diagram: 3635
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-200000 [LU]	200000 [LU]	0 [LU]

p2585 EPOS jog 1 setpoint velocity

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T
Data type: Integer32
P-Group: Basic positioner
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 1
Func. diagram: 3610
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-40000000 [1000 LU/min]	40000000 [1000 LU/min]	-300 [1000 LU/min]

p2586 EPOS jog 2 setpoint velocity

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T
Data type: Integer32
P-Group: Basic positioner
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 1
Func. diagram: 3610
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-40000000 [1000 LU/min]	40000000 [1000 LU/min]	300 [1000 LU/min]

p2587 EPOS jog 1 traversing distance

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T
Data type: Unsigned32
P-Group: Basic positioner
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 1
Func. diagram: 3610
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0 [LU]	2147482647 [LU]	1000 [LU]

p2588 EPOS jog 2 traversing distance

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T
Data type: Unsigned32
P-Group: Basic positioner
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 1
Func. diagram: 3610
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0 [LU]	2147482647 [LU]	1000 [LU]

p2589 BI: EPOS jog 1 signal source

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T
Data type: Unsigned32 / Binary
P-Group: Basic positioner
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 1
Func. diagram: 3610, 3625
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

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p2590 BI: EPOS jog 2 signal source

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3610, 3625
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2591 BI: EPOS jogging incremental

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3610
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2593 CI: EPOS LU/revolution LU/mm

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	2524[0]

p2594 CI: EPOS Maximum velocity externally limited

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2595 BI: EPOS referencing start

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3612, 3625, 3614
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2596 BI: EPOS set reference point

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3612
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p2597 BI: EPOS referencing type selection

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3612, 3614, 3625
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2598[0...3] CI: EPOS reference point coordinate, signal source

SERVO (EPOS, Pos ctrl), VECTOR (EPOS, Pos ctrl)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Integer32 | **Dynamic index:** - | **Func. diagram:** 3612, 3614
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	[0] 2599[0] [1] 0 [2] 0 [3] 0

p2599 CO: EPOS reference point coordinate value

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** - | **Func. diagram:** 3612
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147482648 [LU]	2147482647 [LU]	0 [LU]

p2600 EPOS search for reference, reference point offset

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** - | **Func. diagram:** 3612
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147482648 [LU]	2147482647 [LU]	0 [LU]

p2601 EPOS flying referencing, inner window

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** - | **Func. diagram:** 3614
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [LU]	2147482647 [LU]	0 [LU]

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p2602 EPOS flying referencing, outer window

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** - | **Func. diagram:** 3614
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [LU]	2147482647 [LU]	0 [LU]

p2603 EPOS flying referencing, positioning mode, relative

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** - | **Func. diagram:** 3635
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	1

p2604 BI: EPOS search for reference, start direction

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3612
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2605 EPOS search for reference, approach velocity, reference cam

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 3612
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1 [1000 LU/min]	40000000 [1000 LU/min]	5000 [1000 LU/min]

p2606 EPOS search for reference, reference cam, maximum distance

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 3612
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [LU]	2147482647 [LU]	2147482647 [LU]

p2607 EPOS search for reference, reference cam present

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned8 | **Dynamic index:** - | **Func. diagram:** 3612
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	1

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p2608 EPOS search for reference, approach velocity, zero mark

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 3612
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1 [1000 LU/min]	40000000 [1000 LU/min]	300 [1000 LU/min]

p2609 EPOS search for reference, max. distance ref. cam and zero mark

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 3612
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [LU]	2147482647 [LU]	20000 [LU]

p2610 EPOS search for ref., tol. bandwidth for distance to zero mark

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 3612
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [LU]	2147482647 [LU]	2147482647 [LU]

p2611 EPOS search for reference, approach velocity, reference point

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 3612
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1 [1000 LU/min]	40000000 [1000 LU/min]	300 [1000 LU/min]

p2612 BI: EPOS search for reference, reference cam

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3612
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2613 BI: EPOS search for reference reversing cam minus

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3612
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

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p2614 BI: EPOS search for reference reversing cam plus

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3612
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p2615 EPOS maximum number of traversing blocks

SERVO (EPOS), VECTOR (EPOS)

Can be changed: C2(17) | **Calculated:** - | **Access level:** 1
Data type: Unsigned8 | **Dynamic index:** - | **Func. diagram:** 3616
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	64	64

p2616[0...n] EPOS traversing block, block number

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** p2615 | **Func. diagram:** 3616
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1	63	-1

p2617[0...n] EPOS traversing block position

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** p2615 | **Func. diagram:** 3616
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147482648 [LU]	2147482647 [LU]	0 [LU]

p2618[0...n] EPOS traversing block velocity

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** p2615 | **Func. diagram:** 3616
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1 [1000 LU/min]	40000000 [1000 LU/min]	600 [1000 LU/min]

p2619[0...n] EPOS traversing block acceleration override

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** p2615 | **Func. diagram:** 3616
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1.0 [%]	100.0 [%]	100.0 [%]

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p2620[0...n] EPOS traversing deceleration override

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** p2615 | **Func. diagram:** 3616
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1.0 [%]	100.0 [%]	100.0 [%]

p2621[0...n] EPOS traversing block task

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** p2615 | **Func. diagram:** 3616
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	9	1

p2622[0...n] EPOS traversing block task parameter

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** p2615 | **Func. diagram:** 3616
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147483648	2147483647	0

p2623[0...n] EPOS traversing block, task mode

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned16 | **Dynamic index:** p2615 | **Func. diagram:** 3515, 3616
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	65535	0

p2624 EPOS traversing block, sorting

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 3616
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

p2625 BI: EPOS traversing block selection, bit 0

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3616, 3640
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p2626 BI: EPOS traversing block selection, bit 1

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3616, 3640
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2627 BI: EPOS traversing block selection, bit 2

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3616, 3640
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2628 BI: EPOS traversing block selection, bit 3

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3616, 3640
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2629 BI: EPOS traversing block selection, bit 4

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3616, 3640
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2630 BI: EPOS traversing block selection, bit 5

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3616, 3640
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2631 BI: EPOS activate traversing task (0 -> 1)

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3616, 3625
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p2632 EPOS external block change evaluation

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 3615, 3616
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

p2633 BI: EPOS external block change (0 -> 1)

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3615
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2634[0...n] EPOS fixed stop maximum following error

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 3617, 4025
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [LU]	2147482647 [LU]	1000 [LU]

p2635 EPOS fixed stop monitoring window

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 3617, 4025
P-Group: Closed loop position control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [LU]	2147482647 [LU]	100 [LU]

p2637 BI: EPOS fixed stop reached

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3616, 3617
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	2526.4

p2638 BI: EPOS fixed stop outside the monitoring window

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3616, 3617
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	2526.5

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p2639 BI: EPOS force limit reached

SERVO (EPOS, Lin)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3616
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1407.7

p2639 BI: EPOS torque limit reached

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3616
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1407.7

p2640 BI: EPOS intermediate stop (0 signal)

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3616, 3620, 3625
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2641 BI: EPOS reject traversing task (0 signal)

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3616, 3620, 3625
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2642 CI: EPOS direct setpoint input/MDI position setpoint

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Integer32 | **Dynamic index:** - | **Func. diagram:** 3618
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	2690[0]

p2643 CI: EPOS direct setpoint input/MDI velocity setpoint

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Integer32 | **Dynamic index:** - | **Func. diagram:** 3618
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	2691[0]

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p2644 CI: EPOS direct setpoint input/MDI acceleration override

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 3618
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	2692[0]

p2645 CI: EPOS direct setpoint input/MDI deceleration override

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 3618
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	2693[0]

p2646 CI: EPOS velocity override

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 3630
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p2647 BI: EPOS direct setpoint input/MDI selection

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3620, 3625, 3640
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2648 BI: EPOS direct setpoint input/MDI positioning type

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3620
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2649 BI: EPOS direct setpoint input/MDI transfer type selection

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3620
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p2650 BI: EPOS direct setpoint input/MDI setpoint acceptance edge

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3620
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2651 BI: EPOS direct setpoint input/MDI direction selection, positive

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3620
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2652 BI: EPOS direct setpoint input/MDI direction selection, negative

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3620
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2653 BI: EPOS direct setpoint input/MDI setting-up selection

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3620
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2654 CI: EPOS direct setpoint input/MDI mode adaptation

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Integer16 | **Dynamic index:** - | **Func. diagram:** 3620
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p2655[0...1] BI: EPOS select tracking mode

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3635
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	[0] 1 [1] 2526.7

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p2656 BI: EPOS enable basic positioner

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3635
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	2526.3

p2657 CI: EPOS position actual value/position setting value

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Integer32 | **Dynamic index:** - | **Func. diagram:** 3610, 3616, 3620, 3635
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	2521[0]

p2658 BI: EPOS pos. actual value valid, feedback signal

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3635
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	2526.0

p2659 BI: EPOS referencing active feedback signal

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3612
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	2526.1

p2660 CI: EPOS measured value referencing

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Integer32 | **Dynamic index:** - | **Func. diagram:** 3612, 3614
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	2523[0]

p2661 BI: EPOS measured value valid, feedback signal

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3612, 3614, 3615
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	2526.2

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p2662 BI: EPOS adjustment value valid feedback signal

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** -
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	2526.9

p2663 BI: EPOS clamping active feedback signal

SERVO (EPOS), VECTOR (EPOS)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 3616
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	2526.8

r2665 CO: EPOS position setpoint

SERVO (EPOS), VECTOR (EPOS)

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** - | **Func. diagram:** 3635
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [LU]	- [LU]	- [LU]

r2666 CO: EPOS velocity setpoint

SERVO (EPOS), VECTOR (EPOS)

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** - | **Func. diagram:** 3635
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [1000 LU/min]	- [1000 LU/min]	- [1000 LU/min]

r2667 CO: EPOS backlash compensation value

SERVO (EPOS), VECTOR (EPOS)

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** - | **Func. diagram:** 3635
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [LU]	- [LU]	- [LU]

r2669 CO: EPOS current operating mode

SERVO (EPOS), VECTOR (EPOS)

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Integer32 | **Dynamic index:** - | **Func. diagram:** 3625, 3630
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r2670.0...15 CO/BO: EPOS status word, active traversing block

SERVO (EPOS), VECTOR (EPOS)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 3615, 3625, 3650
P-Group: Basic positioner **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2671 CO: EPOS current position setpoint

SERVO (EPOS), VECTOR (EPOS)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer32 **Dynamic index:** - **Func. diagram:** 3610, 3616, 3620
P-Group: Basic positioner **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [LU]	- [LU]	- [LU]

r2672 CO: EPOS current velocity setpoint

SERVO (EPOS), VECTOR (EPOS)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer32 **Dynamic index:** - **Func. diagram:** 3610, 3612, 3616, 3620
P-Group: Basic positioner **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [1000 LU/min]	- [1000 LU/min]	- [1000 LU/min]

r2673 CO: EPOS current acceleration override

SERVO (EPOS), VECTOR (EPOS)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 3610, 3612, 3616, 3620
P-Group: Basic positioner **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r2674 CO: EPOS current deceleration override

SERVO (EPOS), VECTOR (EPOS)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 3610, 3612, 3616, 3620
P-Group: Basic positioner **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

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r2675 CO: EPOS current task

SERVO (EPOS), VECTOR (EPOS)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** - **Func. diagram:** 3616
P-Group: Basic positioner **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	9	-

r2676 CO: EPOS current task parameter

SERVO (EPOS), VECTOR (EPOS)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer32 **Dynamic index:** - **Func. diagram:** 3616
P-Group: Basic positioner **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2677 CO: EPOS current task mode

SERVO (EPOS), VECTOR (EPOS)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 3616
P-Group: Basic positioner **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2678 CO: EPOS external block change

SERVO (EPOS), VECTOR (EPOS)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer32 **Dynamic index:** - **Func. diagram:** 3615, 3616, 3620
P-Group: Basic positioner **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [LU]	- [LU]	- [LU]

r2680 CO: EPOS clearance, reference cam and zero mark

SERVO (EPOS), VECTOR (EPOS)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer32 **Dynamic index:** - **Func. diagram:** 3612
P-Group: Basic positioner **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [LU]	- [LU]	- [LU]

r2681 CO: EPOS velocity override effective

SERVO (EPOS), VECTOR (EPOS)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 3630
P-Group: Basic positioner **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

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r2682 CO: EPOS residual distance to go

SERVO (EPOS), VECTOR (EPOS)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer32 **Dynamic index:** - **Func. diagram:** 3635
P-Group: Basic positioner **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [LU]	- [LU]	- [LU]

r2683.0...14 CO/BO: EPOS status word 1

SERVO (Lin, Pos ctrl)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 3645
P-Group: Closed loop position control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2683.0...14 CO/BO: EPOS status word 1

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 3645
P-Group: Closed loop position control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2684.0...15 CO/BO: EPOS status word 2

SERVO (Pos ctrl), VECTOR (Pos ctrl)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 3646
P-Group: Closed loop position control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2685 CO: EPOS corrective value

SERVO (EPOS), VECTOR (EPOS)

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer32 **Dynamic index:** - **Func. diagram:** 3635
P-Group: Basic positioner **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [LU]	- [LU]	- [LU]

r2686[0...1] CO: EPOS force limiting effective

SERVO (EPOS, Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 3616, 3617
P-Group: Basic positioner **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

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r2686[0...1] CO: EPOS torque limiting effective

SERVO (EPOS), VECTOR (EPOS)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 3616, 3617
P-Group: Basic positioner **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r2687 CO: EPOS force setpoint

SERVO (EPOS, Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 3616, 3617
P-Group: Basic positioner **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [N]	- [N]	- [N]

r2687 CO: EPOS torque setpoint

SERVO (EPOS), VECTOR (EPOS)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 3616, 3617
P-Group: Basic positioner **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

p2690 CO: EPOS position fixed setpoint

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T **Calculated:** - **Access level:** 1
Data type: Integer32 **Dynamic index:** - **Func. diagram:** 3618
P-Group: Basic positioner **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-2147482648 [LU]	2147482647 [LU]	0 [LU]

p2691 CO: EPOS velocity fixed setpoint

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 3618
P-Group: Basic positioner **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1 [1000 LU/min]	40000000 [1000 LU/min]	600 [1000 LU/min]

p2692 CO: EPOS acceleration override, fixed setpoint

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 3618
P-Group: Basic positioner **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.100 [%]	100.000 [%]	100.000 [%]

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p2693 CO: EPOS deceleration override, fixed setpoint

SERVO (EPOS), VECTOR (EPOS)

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 3618
P-Group: Basic positioner | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.100 [%]	100.000 [%]	100.000 [%]

r2700 CO: Reference frequency

A_INF, B_INF

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2700 CO: Reference frequency, current

S_INF

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2700 CO: Reference speed/reference frequency

SERVO, TM41, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2700 CO: Reference velocity/reference frequency current

SERVO (Lin)

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2701 CO: Reference voltage

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r2702 **CO: Reference current**

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2703 **CO: Reference torque**

SERVO, TM41, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2703 **CO: Reference force current**

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2704 **CO: Reference power**

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2705 **CO: Reference angle**

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2706 **CO: Reference temperature**

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r2707 CO: Reference acceleration

SERVO (Lin), SERVO, TM41, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p2720[0...n] Load gear configuration

SERVO, VECTOR

Can be changed: C2(1, 4) **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** DDS, p0180 **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p2721[0...n] Load gear, rotary absolute gearbox, revolutions, virtual

SERVO, VECTOR

Can be changed: C2(1, 4) **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** DDS, p0180 **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	4194303	0

p2722[0...n] Load gear, position tracking tolerance window

SERVO, VECTOR

Can be changed: C2(1, 4) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00	4294967300.00	0.00

r2723[0...n] CO: Load gear absolute value

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** DDS, p0180 **Func. diagram:** 4010, 4704
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r2724[0...n] CO: Load gear position difference

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer32 **Dynamic index:** DDS, p0180 **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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p2810[0...1] BI: AND logic operation inputs

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2634
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

r2811.0 CO/BO: AND logic operation result

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 2634
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p2816[0...1] BI: OR logic operation inputs

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2634
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

r2817.0 CO/BO: OR logic operation result

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 2634
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p2900[0...n] CO: Fixed value 1 [%]

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1021
P-Group: Free function blocks | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-10000.00 [%]	10000.00 [%]	0.00 [%]

p2901[0...n] CO: Fixed value 2 [%]

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 1021
P-Group: Free function blocks | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-10000.00 [%]	10000.00 [%]	0.00 [%]

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r2902[0...14] CO: Fixed values [%]

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1021
P-Group: Free function blocks **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

p2930[0...n] CO: Fixed value M [Nm]

SERVO, VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** 1021
P-Group: Free function blocks **Units group:** 7_1 **Unit selection:** p0505
Not for motor type: REL **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
-100000.00 [Nm]	100000.00 [Nm]	0.00 [Nm]

p2930[0...n] CO: Fixed value F [N]

SERVO (Lin)

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** 1021
P-Group: Free function blocks **Units group:** 8_1 **Unit selection:** p0505
Not for motor type: REL **Scaling:** p2003 **Expert list:** 1

Min	Max	Factory setting
-100000.00 [N]	100000.00 [N]	0.00 [N]

p3016 MotId torque constant identified

SERVO

Can be changed: U, T **Calculated:** CALC_MOD_ALL **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** 28_1 **Unit selection:** p0100
Not for motor type: ASM, REL, FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [Nm/A]	100.00 [Nm/A]	0.00 [Nm/A]

p3016 MotId force constant identified

SERVO (Lin)

Can be changed: U, T **Calculated:** CALC_MOD_ALL **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** 29_1 **Unit selection:** p0100
Not for motor type: ASM, REL, FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [N/Arms]	1000.00 [N/Arms]	0.00 [N/Arms]

p3017 MotId voltage constant identified

SERVO

Can be changed: U, T **Calculated:** CALC_MOD_ALL **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: ASM, REL, FEM **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.0 [Vrms]	10000.0 [Vrms]	0.0 [Vrms]

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p3017 MotId voltage constant identified

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [Vrms s/m]	1000.0 [Vrms s/m]	0.0 [Vrms s/m]

p3020 MotId magnetizing current identified

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [Arms]	5000.000 [Arms]	0.000 [Arms]

p3027 MotId optimum load angle identified

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [°]	135.0 [°]	0.0 [°]

p3028 MotId reluctance torque constant identified

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000.00 [mH]	1000.00 [mH]	0.00 [mH]

p3028 MotId reluctance force constant identified

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000.00 [mH]	1000.00 [mH]	0.00 [mH]

p3030 MotId angular commutation offset identified

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-180.00 [°]	180.00 [°]	0.00 [°]

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p3031 MotId encoder inversion actual value identified

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p3031 MotId encoder inversion actual value identified

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p3041 MotId moment of inertia identified

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** 25_1 | **Unit selection:** p0100
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000000 [kgm²]	100000.000000 [kgm²]	0.000000 [kgm²]

p3041 MotId motor mass identified

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** 27_1 | **Unit selection:** p0100
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000000 [kg]	10000.000000 [kg]	0.000000 [kg]

p3042 MotId load moment of inertia identified

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** 25_1 | **Unit selection:** p0100
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00000 [kgm²]	100000.00000 [kgm²]	0.00000 [kgm²]

p3042 MotId load mass identified

SERVO (Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** 27_1 | **Unit selection:** p0100
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00000 [kg]	10000.00000 [kg]	0.00000 [kg]

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p3045 MotId force characteristic kT1 identified

SERVO (Exp M_ctrl, Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-340.28235E36 [N/Arms]	340.28235E36 [N/Arms]	0.00 [N/Arms]

p3045 MotId torque characteristic kT1 identified

SERVO (Exp M_ctrl)

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-340.28235E36 [Nm/A]	340.28235E36 [Nm/A]	0.00 [Nm/A]

p3046 MotId force characteristic kT3 identified

SERVO (Exp M_ctrl, Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p3046 MotId torque characteristic kT3 identified

SERVO (Exp M_ctrl)

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p3047 MotId force characteristic kT5 identified

SERVO (Exp M_ctrl, Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p3047 MotId torque characteristic kT5 identified

SERVO (Exp M_ctrl)

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, REL, FEM | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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p3048 MotId force characteristic kT7 identified

SERVO (Exp M_ctrl, Lin)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Motor identification
Not for motor type: ASM, REL, FEM

Calculated: CALC_MOD_ALL
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p3048 MotId torque characteristic kT7 identified

SERVO (Exp M_ctrl)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Motor identification
Not for motor type: ASM, REL, FEM

Calculated: CALC_MOD_ALL
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p3049[0...n] MotId Speed at start of field weakening identified

SERVO

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Motor identification
Not for motor type: -

Calculated: CALC_MOD_ALL
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00000 [rpm]	210000.00000 [rpm]	0.00000 [rpm]

p3049[0...n] MotId Speed at start of field weakening identified

SERVO (Lin)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Motor identification
Not for motor type: -

Calculated: CALC_MOD_ALL
Dynamic index: MDS, p0130
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00000 [m/min]	1000.00000 [m/min]	0.00000 [m/min]

p3050[0...n] MotorId stator resistance identified

SERVO

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Motor identification
Not for motor type: -

Calculated: CALC_MOD_ALL
Dynamic index: MDS, p0130
Units group: 16_1
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: p0349
Expert list: 1

Min	Max	Factory setting
0.00000 [Ohm]	2000.00000 [Ohm]	0.00000 [Ohm]

p3054[0...n] MotId rotor resistance identified

SERVO

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Motor identification
Not for motor type: PEM, REL

Calculated: CALC_MOD_ALL
Dynamic index: MDS, p0130
Units group: 16_1
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: p0349
Expert list: 1

Min	Max	Factory setting
0.00000 [Ohm]	300.00000 [Ohm]	0.00000 [Ohm]

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p3056[0...n] MotId stator leakage inductance identified

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor identification | **Units group:** 15_1 | **Unit selection:** p0349
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00000 [mH]	1000.00000 [mH]	0.00000 [mH]

p3058[0...n] MotId rotor leakage inductance identified

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor identification | **Units group:** 15_1 | **Unit selection:** p0349
Not for motor type: PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00000 [mH]	1000.00000 [mH]	0.00000 [mH]

p3060[0...n] MotId magnetizing inductance identified

SERVO

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** MDS, p0130 | **Func. diagram:** -
P-Group: Motor identification | **Units group:** 15_1 | **Unit selection:** p0349
Not for motor type: PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00000 [mH]	10000.00000 [mH]	0.00000 [mH]

p3070 MotId voltage emulation error final value identified

SERVO (Exp M_ctrl)

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [V]	100.000 [V]	0.000 [V]

p3071 MotId voltage emulation error current offset identified

SERVO (Exp M_ctrl)

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Motor identification | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [A]	100.000 [A]	0.000 [A]

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p3080 MotId flux controller P gain identified

SERVO

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Motor identification
Not for motor type: PEM, REL

Calculated: CALC_MOD_ALL
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.0 [A/Vs]	999999.0 [A/Vs]	0.0 [A/Vs]

p3081 MotId flux controller integral time identified

SERVO

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Motor identification
Not for motor type: PEM, REL

Calculated: CALC_MOD_ALL
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0 [ms]	10000 [ms]	0 [ms]

p3082 MotId current controller P gain identified

SERVO

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Motor identification
Not for motor type: REL

Calculated: CALC_MOD_ALL
Dynamic index: -
Units group: 18_1
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
0.000 [V/A]	100000.000 [V/A]	0.000 [V/A]

p3083 MotId current controller integral time identified

SERVO

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Motor identification
Not for motor type: REL

Calculated: CALC_MOD_ALL
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [ms]	1000.00 [ms]	0.00 [ms]

p3088 MotId Motor model changeover speed operation with encoder ident.

SERVO

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Motor identification
Not for motor type: -

Calculated: CALC_MOD_ALL
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00000 [rpm]	210000.00000 [rpm]	0.00000 [rpm]

p3088 MotId Motor model changeover velocity operat. with encod. ident.

SERVO (Lin)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Motor identification
Not for motor type: -

Calculated: CALC_MOD_ALL
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00000 [m/min]	1000.00000 [m/min]	0.00000 [m/min]

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p3100 **RTC time stamp mode**

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

p3101[0...1] **RTC set UTC time**

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
0	4294967295	0

r3102[0...1] **RTC read UTC time**

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p3103 **RTC synchronization source**

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	3	0

p3104 **BI: RTC real time synchronization PING**

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

r3108[0...1] **RTC last synchronization deviation**

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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p3109 RTC real time synchronization, tolerance window

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	1000 [ms]	100 [ms]

p3110 External fault 3, power-up delay

All objects

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 2546
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	1000 [ms]	0 [ms]

p3111[0...n] BI: External fault 3, enable

A_INF, B_INF, S_INF

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** -
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	3405.2

p3111[0...n] BI: External fault 3, enable

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** -
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p3111 BI: External fault 3, enable

CU_CX32, CU_I, CU_LINK, CU_S, HUB, TB30, TM15, TM15DI_DO, TM17, TM31, TM54F_MA, TM54F_SL

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2546
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p3112[0...n] BI: External fault 3 enable negated

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** -
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p3112 BI: External fault 3 enable negated

CU_CX32, CU_I, CU_LINK, CU_S, HUB, TB30, TM15, TM15DI_DO, TM17, TM31, TM54F_MA, TM54F_SL

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2546
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

r3113.0...15 CO/BO: NAMUR message bit bar

All objects

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r3114.9...11 CO/BO: Messages status word global

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r3115[0...63] Fault drive object initiating

All objects

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Integer32 | **Dynamic index:** - | **Func. diagram:** 1750, 8060
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p3116 BI: Acknowledgement automatically suppressed

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 8060
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p3135 Suppress active fault

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 8060
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 hex

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p3201[0...n] Excitation current outside the tolerance threshold value

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.1 [%]	100.0 [%]	10.0 [%]

p3202[0...n] Excitation current outside the tolerance hysteresis

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.1 [%]	100.0 [%]	10.0 [%]

p3203[0...n] Excitation current outside the tolerance delay time

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [s]	10.0 [s]	1.0 [s]

p3204[0...n] Flux outside the tolerance threshold value

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.1 [%]	100.0 [%]	10.0 [%]

p3205[0...n] Flux outside the tolerance hysteresis

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.1 [%]	50.0 [%]	10.0 [%]

p3206[0...n] Flux outside tolerance delay time

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [s]	10.0 [s]	5.0 [s]

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p3207[0...n] Zero current signal threshold value

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Messages | **Units group:** 6_2 | **Unit selection:** p0505
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.01 [Arms]	10000.00 [Arms]	1.00 [Arms]

p3208[0...n] Zero current signal hysteresis

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Messages | **Units group:** 6_2 | **Unit selection:** p0505
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.01 [Arms]	10000.00 [Arms]	1.00 [Arms]

p3209[0...n] Zero current signal delay time

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Messages | **Units group:** - | **Unit selection:** -
Not for motor type: ASM, PEM, REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [s]	10.00 [s]	0.02 [s]

p3290 Variable signaling function start

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned8 | **Dynamic index:** - | **Func. diagram:** 5301
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0010 bin

p3291 CI: Variable signaling function signal source

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Integer16 | **Dynamic index:** - | **Func. diagram:** 5301
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p3292 Variable signaling function signal source address

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 5301
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

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p3293 Variable signaling function signal source data type

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 5301
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	7	0

r3294 BO: Variable signaling function output signal

SERVO

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned8 | **Dynamic index:** - | **Func. diagram:** 5301
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p3295 Variable signaling function threshold value

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 5301
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-340.28235E36	340.28235E36	0.000

p3296 Variable signaling function hysteresis

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 5301
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	340.28235E36	0.000

p3297 Variable signaling function pickup delay

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 5301
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	10000 [ms]	0 [ms]

p3298 Variable signaling function dropout delay

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 5301
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	10000 [ms]	0 [ms]

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p3400 Infeed configuration word

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 8940
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1010 bin

r3402 Infeed internal status

A_INF, S_INF

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 8832, 8932
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	11	-

r3402 Infeed status internal BIC

B_INF

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 8932
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	6	-

r3405.0...7 CO/BO: Status word infeed

A_INF, S_INF

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 8828, 8928
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r3405.7 CO/BO: Status word infeed

B_INF

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p3409 Infeed line frequency setting

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	1

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p3410 **Infeed identification method**

A_INF, S_INF

Can be changed: C2(1), T
Data type: Integer16
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 1
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	5	5

p3410 **Infeed identification method**

A_INF, S_INF

Can be changed: C2(1), T
Data type: Integer16
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 1
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	5	0

r3411[0...1] **Infeed identified inductance**

A_INF, S_INF

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

r3412[0...1] **Infeed DC link capacitance identified**

A_INF, S_INF

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
- [mF]	- [mF]	- [mF]

r3414[0...1] **Infeed, line supply inductance identified**

A_INF, S_INF

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
- [mH]	- [mH]	- [mH]

p3415[0...1] **Infeed excitation current L identification**

A_INF, S_INF

Can be changed: T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
1.00 [%]	75.00 [%]	20.00 [%]

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p3416 Infeed excitation amplitude C identification

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.10 [%]	20.00 [%]	2.00 [%]

p3417 Infeed excitation frequency C identification

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
10.00 [Hz]	200.00 [Hz]	50.00 [Hz]

p3421 Infeed inductance

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.001 [mH]	2000.000 [mH]	1.000 [mH]

p3422 Infeed DC link capacitance

A_INF, S_INF

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.20 [mF]	2000.00 [mF]	2.00 [mF]

p3424 Infeed, line supply inductance

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.001 [mH]	1000.000 [mH]	0.001 [mH]

p3425[0...1] Infeed control loop parameter scaling

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1.00 [%]	1000.00 [%]	100.00 [%]

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p3440 Smart mode configuration

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 4
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0001 bin

r3452 Infeed PLL status

A_INF, S_INF

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 bin	0111 bin	-

p3458[0...1] Infeed PLL smoothing time

A_INF, S_INF

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1.0 [ms]	1000.0 [ms]	[0] 23.1 [ms] [1] 9.1 [ms]

r3460 Infeed PLL system deviation

A_INF, S_INF

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [°]	- [°]	- [°]

r3461 Infeed PLL system deviation after filtering

A_INF, S_INF

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [°]	- [°]	- [°]

p3463 Infeed, line angle change, phase failure detection

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-180.0 [°]	180.0 [°]	15.0 [°]

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r3468[0...1] Infeed voltage alpha/beta line filter

A_INF, S_INF

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

p3469[0...n] Latch delay time correction, zero crossover detection

A_INF, S_INF

Can be changed: T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: PDS, p0120
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-10000.0 [µs]	10000.0 [µs]	0.0 [µs]

r3470 Infeed active current filter

A_INF

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: 6_2
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r3471 Infeed reactive current filter

A_INF

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: 6_2
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

p3472[0...4] Line supply PLL line supply voltage smoothing time

A_INF, S_INF

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
1.0 [ms]	30000.0 [ms]	[0] 200.0 [ms] [1] 100.0 [ms] [2] 5000.0 [ms] [3] 8.0 [ms] [4] 8.0 [ms]

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p3480 Infeed modulation depth limit

A_INF

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 8940
Unit selection: -
Expert list: 1

Min	Max	Factory setting
50.0 [%]	110.0 [%]	97.0 [%]

p3481 Infeed standby controller dynamic response

A_INF

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 4
Func. diagram: 8940
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.0 [ms]	1000.0 [ms]	7.5 [ms]

r3485 Infeed standby controller output

A_INF

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: p2001

Access level: 3
Func. diagram: 8940
Unit selection: -
Expert list: 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

p3490 Infeed OFF command delay time

A_INF, B_INF, S_INF

Can be changed: T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 8732, 8832, 8932
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.0 [ms]	1000000.0 [ms]	0.0 [ms]

p3491 Infeed I-offset measurement monitoring time

A_INF, S_INF

Can be changed: T
Data type: FloatingPoint32
P-Group: Commands
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 4
Func. diagram: 8832, 8932
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0 [ms]	65000 [ms]	2000 [ms]

p3492 Infeed, line supply undervoltage delay time

A_INF, S_INF

Can be changed: T
Data type: FloatingPoint32
P-Group: Commands
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0 [s]	300 [s]	0 [s]

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p3508 Infeed step-up factor maximum

A_INF

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1.60	3.00	1.60

p3510 Infeed DC link voltage setpoint

A_INF

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 1774, 8940
P-Group: Closed-loop control | **Units group:** 5_2 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2001 | **Expert list:** 1

Min	Max	Factory setting
100.00 [V]	1600.00 [V]	600.00 [V]

p3511 CI: Infeed DC link voltage supplementary setpoint

A_INF

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8940
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2001 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p3513 BI: Inhibit voltage-controlled operation

A_INF

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p3514 Infeed supplementary active current steady-state

A_INF

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8940
P-Group: Closed-loop control | **Units group:** 6_2 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000.00 [Arms]	1000.00 [Arms]	0.00 [Arms]

p3515 CI: Infeed supplementary active current

A_INF

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8940
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p3516 Infeed current distribution factor

A_INF

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 8940, 8942
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [%]	100.00 [%]	100.00 [%]

r3517 CO: Infeed active current controller unlimited setpoint

A_INF

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: 6_2
Scaling: p2002

Access level: 3
Func. diagram: 8940
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

p3520[0...3] CI: Infeed power pre-control

A_INF

Can be changed: U, T
Data type: Unsigned32 / FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p3521[0...3] Infeed pre-control power scaling

A_INF

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: PERCENT

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-100000.00000 [%]	100000.00000 [%]	100.00000 [%]

p3530 Infeed current limit motoring

A_INF

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: 6_2
Scaling: -

Access level: 3
Func. diagram: 8940
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
1.00 [Arms]	100000.00 [Arms]	10000.00 [Arms]

p3531 Infeed current limit regenerating

A_INF

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: 6_2
Scaling: -

Access level: 3
Func. diagram: 8940
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
-100000.00 [Arms]	-1.00 [Arms]	-10000.00 [Arms]

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p3532 BI: Infeed, inhibit motoring

A_INF

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 8920
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p3533 BI: Infeed, inhibit regenerative operation

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 8820, 8920
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

r3534 Infeed line filter maximum current

A_INF

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r3554 Infeed Vdc controller integral component

A_INF

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8940
P-Group: Closed-loop control | **Units group:** 6_2 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

p3555[0...5] Infeed Vdc controller integral component fast intervention

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	200.00 [%]	[0] 2.00 [%] [1] 102.00 [%] [2] 0.00 [%] [3] 5.00 [%] [4] 100.00 [%] [5] 0.00 [%]

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p3560 Infeed Vdc controller proportional gain

A_INF

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8940
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.01 [%]	1000.00 [%]	100.00 [%]

p3562 Infeed,Vdc controller integral time

A_INF

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8940
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.10 [%]	100000.00 [%]	100.00 [%]

p3564 Infeed Vdc monitor, time constant

A_INF

Can be changed: T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [ms]	100.0 [ms]	0.2 [ms]

p3566 Infeed Vdc ramp duration

A_INF

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8932
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
40 [ms]	1000 [ms]	100 [ms]

p3570 CI: Master/slave active current setpoint

A_INF
(Master/Slave)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8948
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
-	-	3573[0]

p3571[0...3] CI: Master/slave active current setpoint, multiplexer input

A_INF
(Master/Slave)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8948
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p3572 CI: Master/slave active current setpoint, multiplexer selection

A_INF (Master/Slave)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Integer16 | **Dynamic index:** - | **Func. diagram:** 8948
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

r3573 CO: Master/slave active current setpoint, multiplexer output

A_INF (Master/Slave)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8948
P-Group: Closed-loop control | **Units group:** 6_2 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

p3574[0...3] Master/slave DC link voltage monitoring

A_INF (Master/Slave)

Can be changed: C2(1), T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8948
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-60 [V]	60 [V]	[0] 20 [V] [1] -20 [V] [2] 5 [V] [3] -5 [V]

r3575.0...2 BO: Master/slave DC link voltage monitoring status

A_INF (Master/Slave)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 8948
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p3576[0...5] Master/slave current distribution factor, multiplexer input

A_INF (Master/Slave)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8948
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	100.00 [%]	100.00 [%]

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p3577 CI: Master/slave current distribution factor, multiplexer selection

A_INF (Master/Slave)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Integer16 | **Dynamic index:** - | **Func. diagram:** 8948
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

r3578 CO: Master/slave current distribution factor, multiplexer output

A_INF (Master/Slave)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8948
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

p3579 CI: Master/Slave current distribution factor

A_INF (Master/Slave)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8948
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	3578[0]

r3602 Infeed control status

A_INF

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 bin	1000 bin	-

p3603 Infeed current pre-control factor D component

A_INF

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8946
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	500.00 [%]	100.00 [%]

r3606 Infeed active current controller system deviation

A_INF

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 8946
P-Group: Closed-loop control | **Units group:** 6_2 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

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r3608 Infeed reactive current controller system deviation

A_INF

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: 6_2
Scaling: p2002

Access level: 2
Func. diagram: 8946
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

p3610 Infeed reactive current fixed setpoint

A_INF

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: 6_2
Scaling: -

Access level: 2
Func. diagram: 1774, 8946
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
-10000.0 [Arms]	10000.0 [Arms]	0.0 [Arms]

p3611 CI: Infeed reactive current supplementary setpoint

A_INF

Can be changed: U, T
Data type: Unsigned32 / FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: p2002

Access level: 2
Func. diagram: 8946
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p3614 Infeed current actual value filter smoothing time

A_INF

Can be changed: T
Data type: FloatingPoint32
P-Group: Commands
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 8950
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.000 [ms]	2.000 [ms]	0.000 [ms]

p3615 Infeed current controller P gain

A_INF

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 8946
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [%]	1000.00 [%]	100.00 [%]

p3617 Infeed current controller integral time

A_INF

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 8946
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.10 [%]	100000.00 [%]	100.00 [%]

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r3618 Infeed active current controller, integral component

A_INF

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: 5_1
Scaling: p2001

Access level: 2
Func. diagram: 8946
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

r3619 Infeed reactive current controller integral component

A_INF

Can be changed: -
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: 5_1
Scaling: p2001

Access level: 2
Func. diagram: 8946
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

p3620 Infeed current controller adaptation lower application threshold

A_INF

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [%]	100.00 [%]	40.00 [%]

p3622 Infeed current controller adaptation reduction factor

A_INF

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.01 [%]	100.00 [%]	85.00 [%]

p3624[0...1] Infeed harmonics controller order

A_INF

Can be changed: T
Data type: Unsigned16
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: PERCENT

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
5	13	[0] 5 [1] 7

p3625[0...1] Infeed harmonics controller scaling

A_INF

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: PERCENT

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.0 [%]	300.0 [%]	100.0 [%]

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r3626[0...1] Infeed harmonics control output

A_INF

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** 5_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

r3632 Infeed input voltage Vsd (active component)

A_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1774, 8946, 8950
P-Group: Closed-loop control **Units group:** 5_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

r3633 Infeed input voltage Vsq (reactive component)

A_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1774, 8946, 8950
P-Group: Closed-loop control **Units group:** 5_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

r3635 Infeed input voltage angle

A_INF

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8950
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [°]	- [°]	- [°]

p3660 VSM input line supply voltage, voltage scaler

A_INF, S_INF

Can be changed: T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 9880
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	100000.00 [%]	0.00 [%]

p3660[0...n] VSM input line supply voltage, voltage scaler

VECTOR

Can be changed: T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 9880
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	100000.00 [%]	0.00 [%]

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r3661 **CO: VSM input line supply voltage u1 - u2**

A_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8850, 8950, 9880
P-Group: Closed-loop control **Units group:** 5_3 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min **Max** **Factory setting**
- [V] - [V] - [V]

r3661[0...n] **CO: VSM input line supply voltage u1 - u2**

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** 5_3 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min **Max** **Factory setting**
- [V] - [V] - [V]

r3662 **CO: VSM input line supply voltage u2 - u3**

A_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 8850, 8950, 9880
P-Group: Closed-loop control **Units group:** 5_3 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min **Max** **Factory setting**
- [V] - [V] - [V]

r3662[0...n] **CO: VSM input line supply voltage u2 - u3**

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** 5_3 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min **Max** **Factory setting**
- [V] - [V] - [V]

r3664.0...1 **BO: VSM temperature evaluation, status**

A_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 9886
P-Group: Terminals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min **Max** **Factory setting**
- - -

r3664[0...n] **CO: VSM temperature evaluation, status**

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 9886
P-Group: Terminals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min **Max** **Factory setting**
- - -

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p3665[0...n] VSM temperature evaluation, sensor type

A_INF, S_INF, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 9886
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	2	0

r3666 CO: VSM temperature KTY

A_INF, S_INF

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9886
P-Group: Closed-loop control | **Units group:** 21_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** TEMP | **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r3666[0...n] CO: VSM temperature KTY

VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9886
P-Group: Closed-loop control | **Units group:** 21_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** TEMP | **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

p3667 VSM line filter overtemperature alarm threshold

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9886
P-Group: - | **Units group:** 21_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** TEMP | **Expert list:** 1

Min	Max	Factory setting
0 [°C]	301 [°C]	150 [°C]

p3667[0...n] VSM line filter overtemperature alarm threshold

VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9886
P-Group: - | **Units group:** 21_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** TEMP | **Expert list:** 1

Min	Max	Factory setting
0.00 [°C]	301.00 [°C]	150.00 [°C]

p3668 VSM line filter overtemperature shutdown threshold

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9886
P-Group: - | **Units group:** 21_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** TEMP | **Expert list:** 1

Min	Max	Factory setting
0 [°C]	301 [°C]	180 [°C]

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p3668[0...n] VSM line filter overtemperature shutdown threshold

VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9886
P-Group: - | **Units group:** 21_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** TEMP | **Expert list:** 1

Min	Max	Factory setting
0.00 [°C]	301.00 [°C]	180.00 [°C]

p3669 VSM line filter overtemperature hysteresis

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9886
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** TEMP | **Expert list:** 1

Min	Max	Factory setting
1.0 [K]	50.0 [K]	3.0 [K]

p3669[0...n] VSM line filter overtemperature hysteresis

VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9886
P-Group: - | **Units group:** 21_2 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** TEMP | **Expert list:** 1

Min	Max	Factory setting
1.00 [K]	50.00 [K]	3.00 [K]

p3670 VSM 10 V input CT gain

A_INF, S_INF

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9880
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
0.000 [A]	1000.000 [A]	1.000 [A]

p3670[0...n] VSM 10 V input CT gain

VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9880
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
0.000 [A]	1000.000 [A]	1.000 [A]

r3671 CO: VSM 10 V input CT 1 actual value

A_INF, S_INF

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9880
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

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r3671[0...n] CO: VSM 10 V input CT 1 actual value

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 9880
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

r3672 CO: VSM 10 V input CT 2 actual value

A_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 9880
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

r3672[0...n] CO: VSM 10 V input CT 2 actual value

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 9880
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

r3673 CO: VSM 10 V input 1 actual value

A_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 9880
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

r3673[0...n] CO: VSM 10 V input 1 actual value

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 9880
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

r3674 CO: VSM 10 V input 2 actual value

A_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 9880
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

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r3674[0...n] CO: VSM 10 V input 2 actual value

VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 9880
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

p3676 VSM line filter capacitance alarm threshold

A_INF, S_INF

Can be changed: T **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	100.00 [%]	0.00 [%]

r3677[0...2] CO: VSM line filter capacitance

A_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [µF]	- [µF]	- [µF]

p3680 BI: Braking Module internal inhibit

B_INF

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / Binary **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0

p3681 BI: Activating Braking Module internal DC link fast discharge

B_INF

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / Binary **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0

p3682 Braking Module internal DC link fast discharge delay time

B_INF

Can be changed: C1(3), T **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
500 [ms]	4294967295 [ms]	1000 [ms]

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r3685 BO: Digital Braking Module: Pre-alarm I2t shutdown

B_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r3686 BO: Digital Braking Module Fault

B_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r3687 BO: Digital Braking Module pre-alarm overtemperature

B_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r3688 BO: Digital Braking Module fault overtemperature

B_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r3689 BO: Digital Braking Module Vce fault

B_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p3700 APC configuration

SERVO (APC)

Can be changed: U, T **Calculated:** - **Access level:** 2
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

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p3701 APC enc sel

SERVO (APC)

Can be changed: C1(4), U
Data type: Integer16
P-Group: Data sets
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
2	3	2

p3704[0...n] APC filter activation

SERVO (APC)

Can be changed: U, T
Data type: Unsigned16
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: 7012
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

p3705[0...n] APC filter type

SERVO (APC)

Can be changed: U, T
Data type: Unsigned16
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: 7012
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

p3706[0...n] APC sub-sampling, filter 2.x

SERVO (APC)

Can be changed: U, T
Data type: Unsigned16
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: 7012
Unit selection: -
Expert list: 1

Min	Max	Factory setting
1	64	1

p3707[0...n] APC sub-sampling, filter 3.x

SERVO (APC)

Can be changed: U, T
Data type: Unsigned16
P-Group: Closed-loop control
Not for motor type: REL

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: 7012
Unit selection: -
Expert list: 1

Min	Max	Factory setting
1	64	1

p3708[0...n] APC velocity actual value smoothing time encoder 2

SERVO (APC, Lin)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: REL

Calculated: CALC_MOD_CON
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: 4711
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [ms]	50.00 [ms]	0.00 [ms]

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p3708[0...n] APC actual speed smoothing time encoder 2

SERVO (APC)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 4711
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	50.00 [ms]	0.00 [ms]

p3709[0...n] APC velocity actual value smoothing time encoder 3

SERVO (APC, Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 4711
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	50.00 [ms]	0.00 [ms]

p3709[0...n] APC actual speed smoothing time encoder 3

SERVO (APC)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 4711
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	50.00 [ms]	0.00 [ms]

p3711[0...n] APC filter 1.1 denominator natural frequency

SERVO (APC)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	2000.0 [Hz]

p3712[0...n] APC filter 1.1 denominator damping

SERVO (APC)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.050	10.000	0.700

p3713[0...n] APC filter 1.1 numerator natural frequency

SERVO (APC)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	2000.0 [Hz]

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p3714[0...n] APC filter 1.1 numerator damping

SERVO (APC)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	10.000	0.700

p3721[0...n] APC filter 2.1 denominator natural frequency

SERVO (APC)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	2000.0 [Hz]

p3722[0...n] APC filter 2.1 denominator damping

SERVO (APC)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.050	10.000	0.700

p3723[0...n] APC filter 2.1 numerator natural frequency

SERVO (APC)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	2000.0 [Hz]

p3724[0...n] APC filter 2.1 numerator damping

SERVO (APC)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	10.000	0.700

p3726[0...n] APC filter 2.2 denominator natural frequency

SERVO (APC)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	2000.0 [Hz]

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p3727[0...n] APC filter 2.2 denominator damping

SERVO (APC)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.050	10.000	0.700

p3728[0...n] APC filter 2.2 numerator natural frequency

SERVO (APC)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	2000.0 [Hz]

p3729[0...n] APC filter 2.2 numerator damping

SERVO (APC)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7029
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	10.000	0.700

p3731[0...n] APC filter 3.1 denominator natural frequency

SERVO (APC)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	2000.0 [Hz]

p3732[0...n] APC filter 3.1 denominator damping

SERVO (APC)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.050	10.000	0.700

p3733[0...n] APC filter 3.1 numerator natural frequency

SERVO (APC)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	2000.0 [Hz]

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p3734[0...n] APC filter 3.1 numerator damping

SERVO (APC)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	10.000	0.700

p3736[0...n] APC filter 3.2 denominator natural frequency

SERVO (APC)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	2000.0 [Hz]

p3737[0...n] APC filter 3.2 denominator damping

SERVO (APC)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.050	10.000	0.700

p3738[0...n] APC filter 3.2 numerator natural frequency

SERVO (APC)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.5 [Hz]	16000.0 [Hz]	2000.0 [Hz]

p3739[0...n] APC filter 3.2 numerator damping

SERVO (APC)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000	10.000	0.700

p3750[0...n] CI: APC acceleration sensor input

SERVO (APC)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** CDS, p0170 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** p2007 | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p3751[0...n] APC acceleration sensor high pass time constant

SERVO (APC)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	10000.00 [ms]	100.00 [ms]

p3760[0...n] APC load velocity controller 1 P gain

SERVO (APC, Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-100.000	100.000	0.000

p3760[0...n] APC load speed controller 1 P gain

SERVO (APC)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-100.000	100.000	0.000

p3761[0...n] APC load velocity controller 1 rate time

SERVO (APC, Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-500.00 [ms]	500.00 [ms]	0.00 [ms]

p3761[0...n] APC load speed controller 1 rate time

SERVO (APC)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-500.00 [ms]	500.00 [ms]	0.00 [ms]

p3765[0...n] APC load velocity controller 2 P gain

SERVO (APC, Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-100.000	100.000	0.000

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p3765[0...n] APC load speed controller 2 P gain

SERVO (APC)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-100.000	100.000	0.000

p3766[0...n] APC load velocity controller 2 rate time

SERVO (APC, Lin)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-500.00 [ms]	500.00 [ms]	0.00 [ms]

p3766[0...n] APC load speed controller 2 rate time

SERVO (APC)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7012
P-Group: Closed-loop control | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-500.00 [ms]	500.00 [ms]	0.00 [ms]

r3770 CO: APC load velocity

SERVO (APC, Lin)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7012
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r3770 CO: APC load speed

SERVO (APC)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7012
P-Group: Setpoints | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r3771 CO: APC load velocity smoothed

SERVO (APC, Lin)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 4711, 5040, 5042, 5210
P-Group: Setpoints | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

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r3771 CO: APC load speed smoothed

SERVO (APC)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 4711, 5040, 5042, 5210
P-Group: Setpoints **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r3772[0...1] APC filter branch 2 display values

SERVO (APC, Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 7012
P-Group: Setpoints **Units group:** 4_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r3772[0...1] APC filter branch 2 display values

SERVO (APC)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 7012
P-Group: Setpoints **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r3773[0...1] APC filter branch 3 display values

SERVO (APC, Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 7012
P-Group: Setpoints **Units group:** 4_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r3773[0...1] APC filter branch 3 display values

SERVO (APC)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 7012
P-Group: Setpoints **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r3777[0...1] CO: APC filter branch 1 display values

SERVO (APC, Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 7012
P-Group: Setpoints **Units group:** 4_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

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r3777[0...1] CO: APC filter branch 1 display values

SERVO (APC)

Can be changed: -
Data type: FloatingPoint32
P-Group: Setpoints
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: 3_1
Scaling: p2000

Access level: 3
Func. diagram: 7012
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

p3778[0...n] APC velocity limit

SERVO (APC, Lin)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: CALC_MOD_CON
Dynamic index: DDS, p0180
Units group: 4_1
Scaling: -

Access level: 2
Func. diagram: 7012
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
0.00 [m/min]	1000.00 [m/min]	1000.00 [m/min]

p3778[0...n] APC speed limit

SERVO (APC)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Closed-loop control
Not for motor type: -

Calculated: CALC_MOD_CON
Dynamic index: DDS, p0180
Units group: 3_1
Scaling: -

Access level: 2
Func. diagram: 7012
Unit selection: p0505
Expert list: 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	210000.00 [rpm]

p3779[0...n] APC velocity limit monitoring time

SERVO (APC, Lin)

Can be changed: U, T
Data type: Unsigned32
P-Group: Closed-loop control
Not for motor type: REL

Calculated: CALC_MOD_CON
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 2
Func. diagram: 7012
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0 [ms]	1000000 [ms]	0 [ms]

p3779[0...n] APC speed limit monitoring time

SERVO (APC)

Can be changed: U, T
Data type: Unsigned32
P-Group: Closed-loop control
Not for motor type: REL

Calculated: CALC_MOD_CON
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 2
Func. diagram: 7012
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0 [ms]	1000000 [ms]	0 [ms]

p3784[0...n] BI: Sync-line-drive external increase voltage

VECTOR

Can be changed: T
Data type: Unsigned32 / Binary
P-Group: Functions
Not for motor type: -

Calculated: -
Dynamic index: CDS, p0170
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
-	-	0

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p3785[0...n] BI: Sync-line-drive external decrease voltage

VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** -
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
-	-	0

p3800[0...n] Sync-line-drive activation

VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7020
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

p3801[0...n] Sync-line-drive, drive object number

VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7020
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	62	1

p3802[0...n] BI: Sync-line-drive enable

VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / Binary | **Dynamic index:** CDS, p0170 | **Func. diagram:** 7020
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

r3803.0 CO/BO: Sync-line-drive control word

VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r3804 CO: Sync-line-drive target frequency

VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7020
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2000 | **Expert list:** 1

Min	Max	Factory setting
- [Hz]	- [Hz]	- [Hz]

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r3805 **CO: Sync-line-drive frequency difference**

VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 7020
P-Group: Functions **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min **Max** **Factory setting**
- [Hz] - [Hz] - [Hz]

p3806[0...n] **Sync-line-drive frequency difference threshold value**

VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** 7020
P-Group: Functions **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min **Max** **Factory setting**
0.00 [Hz] 1.00 [Hz] 0.10 [Hz]

r3808 **CO: Sync-line-drive phase difference**

VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 7020
P-Group: Functions **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2005 **Expert list:** 1

Min **Max** **Factory setting**
- [°] - [°] - [°]

p3809[0...n] **Sync-line-drive phase setpoint**

VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** 7020
P-Group: Functions **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min **Max** **Factory setting**
-180.00 [°] 179.90 [°] 0.00 [°]

p3811[0...n] **Sync-line-drive frequency limiting**

VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** DDS, p0180 **Func. diagram:** 7020
P-Group: Functions **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min **Max** **Factory setting**
0.00 [Hz] 1.00 [Hz] 0.20 [Hz]

r3812 **CO: Sync-line-drive correction frequency**

VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 7020
P-Group: Functions **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min **Max** **Factory setting**
- [Hz] - [Hz] - [Hz]

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p3813[0...n] Sync-line-drive phase synchronism threshold value

VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7020
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1.00 [°]	20.00 [°]	2.00 [°]

r3814 CO: Sync-line-drive voltage difference

VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7020
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2001 | **Expert list:** 1

Min	Max	Factory setting
- [Vrms]	- [Vrms]	- [Vrms]

p3815[0...n] Sync-line-drive voltage difference threshold value

VECTOR

Can be changed: U, T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7020
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	10.00 [%]	10.00 [%]

r3819.0...7 CO/BO: Sync-line-drive status word

VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 7020
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p3820[0...n] Friction characteristic, value n0

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	15.00 [rpm]

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p3820[0...n] Friction characteristic, value v0

SERVO (Lin)

Can be changed: T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2

Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010

P-Group: Functions | **Units group:** 4_1 | **Unit selection:** p0505

Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	21000.00 [m/min]	1.50 [m/min]

p3821[0...n] Friction characteristic, value n1

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2

Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010

P-Group: Functions | **Units group:** 3_1 | **Unit selection:** p0505

Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	30.00 [rpm]

p3821[0...n] Friction characteristic, value v1

SERVO (Lin)

Can be changed: T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2

Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010

P-Group: Functions | **Units group:** 4_1 | **Unit selection:** p0505

Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	21000.00 [m/min]	3.00 [m/min]

p3822[0...n] Friction characteristic, value n2

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2

Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010

P-Group: Functions | **Units group:** 3_1 | **Unit selection:** p0505

Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	60.00 [rpm]

p3822[0...n] Friction characteristic, value v2

SERVO (Lin)

Can be changed: T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2

Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010

P-Group: Functions | **Units group:** 4_1 | **Unit selection:** p0505

Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	21000.00 [m/min]	6.00 [m/min]

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p3823[0...n] Friction characteristic, value n3

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2

Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010

P-Group: Functions | **Units group:** 3_1 | **Unit selection:** p0505

Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	120.00 [rpm]

p3823[0...n] Friction characteristic, value v3

SERVO (Lin)

Can be changed: T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2

Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010

P-Group: Functions | **Units group:** 4_1 | **Unit selection:** p0505

Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	21000.00 [m/min]	12.00 [m/min]

p3824[0...n] Friction characteristic, value n4

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2

Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010

P-Group: Functions | **Units group:** 3_1 | **Unit selection:** p0505

Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	150.00 [rpm]

p3824[0...n] Friction characteristic, value v4

SERVO (Lin)

Can be changed: T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2

Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010

P-Group: Functions | **Units group:** 4_1 | **Unit selection:** p0505

Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	21000.00 [m/min]	15.00 [m/min]

p3825[0...n] Friction characteristic, value n5

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2

Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010

P-Group: Functions | **Units group:** 3_1 | **Unit selection:** p0505

Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	300.00 [rpm]

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p3825[0...n] Friction characteristic, value v5

SERVO (Lin)

Can be changed: T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	21000.00 [m/min]	30.00 [m/min]

p3826[0...n] Friction characteristic, value n6

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	600.00 [rpm]

p3826[0...n] Friction characteristic, value v6

SERVO (Lin)

Can be changed: T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	21000.00 [m/min]	60.00 [m/min]

p3827[0...n] Friction characteristic, value n7

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 3_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	1200.00 [rpm]

p3827[0...n] Friction characteristic, value v7

SERVO (Lin)

Can be changed: T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 4_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	21000.00 [m/min]	120.00 [m/min]

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p3828[0...n] Friction characteristic, value n8

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2

Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010

P-Group: Functions | **Units group:** 3_1 | **Unit selection:** p0505

Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	1500.00 [rpm]

p3828[0...n] Friction characteristic, value v8

SERVO (Lin)

Can be changed: T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2

Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010

P-Group: Functions | **Units group:** 4_1 | **Unit selection:** p0505

Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	21000.00 [m/min]	150.00 [m/min]

p3829[0...n] Friction characteristic, value n9

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2

Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010

P-Group: Functions | **Units group:** 3_1 | **Unit selection:** p0505

Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	210000.00 [rpm]	3000.00 [rpm]

p3829[0...n] Friction characteristic, value v9

SERVO (Lin)

Can be changed: T | **Calculated:** CALC_MOD_LIM_REF | **Access level:** 2

Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010

P-Group: Functions | **Units group:** 4_1 | **Unit selection:** p0505

Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [m/min]	21000.00 [m/min]	300.00 [m/min]

p3830[0...n] Friction characteristic, value M0

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 2

Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010

P-Group: Functions | **Units group:** 7_1 | **Unit selection:** p0505

Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [Nm]	1000000.00 [Nm]	0.00 [Nm]

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p3830[0...n] **Friction characteristic, value F0**

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 8_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [N]	1000000.00 [N]	0.00 [N]

p3831[0...n] **Friction characteristic, value M1**

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 7_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [Nm]	1000000.00 [Nm]	0.00 [Nm]

p3831[0...n] **Friction characteristic, value F1**

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 8_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [N]	1000000.00 [N]	0.00 [N]

p3832[0...n] **Friction characteristic, value M2**

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 7_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [Nm]	1000000.00 [Nm]	0.00 [Nm]

p3832[0...n] **Friction characteristic, value F2**

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 8_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [N]	1000000.00 [N]	0.00 [N]

p3833[0...n] **Friction characteristic, value M3**

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 7_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [Nm]	1000000.00 [Nm]	0.00 [Nm]

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p3833[0...n] Friction characteristic, value F3

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 8_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [N]	1000000.00 [N]	0.00 [N]

p3834[0...n] Friction characteristic, value M4

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 7_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [Nm]	1000000.00 [Nm]	0.00 [Nm]

p3834[0...n] Friction characteristic, value F4

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 8_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [N]	1000000.00 [N]	0.00 [N]

p3835[0...n] Friction characteristic, value M5

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 7_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [Nm]	1000000.00 [Nm]	0.00 [Nm]

p3835[0...n] Friction characteristic, value F5

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 8_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [N]	1000000.00 [N]	0.00 [N]

p3836[0...n] Friction characteristic, value M6

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 7_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [Nm]	1000000.00 [Nm]	0.00 [Nm]

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p3836[0...n] Friction characteristic, value F6

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 8_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [N]	1000000.00 [N]	0.00 [N]

p3837[0...n] Friction characteristic, value M7

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 7_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [Nm]	1000000.00 [Nm]	0.00 [Nm]

p3837[0...n] Friction characteristic, value F7

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 8_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [N]	1000000.00 [N]	0.00 [N]

p3838[0...n] Friction characteristic, value M8

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 7_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [Nm]	1000000.00 [Nm]	0.00 [Nm]

p3838[0...n] Friction characteristic, value F8

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 8_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [N]	1000000.00 [N]	0.00 [N]

p3839[0...n] Friction characteristic, value M9

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 7_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [Nm]	1000000.00 [Nm]	0.00 [Nm]

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p3839[0...n] Friction characteristic, value F9

SERVO (Lin)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 8_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [N]	1000000.00 [N]	0.00 [N]

r3840.0...8 CO/BO: Friction characteristic, status word

SERVO, VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 7010
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r3841 CO: Friction characteristic output

SERVO, VECTOR (n/M)

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 7_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min	Max	Factory setting
- [Nm]	- [Nm]	- [Nm]

r3841 CO: Friction characteristic output

SERVO (Lin)

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 7010
P-Group: Functions | **Units group:** 8_1 | **Unit selection:** p0505
Not for motor type: REL | **Scaling:** p2003 | **Expert list:** 1

Min	Max	Factory setting
- [N]	- [N]	- [N]

p3842 Friction characteristic activation

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 7010
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

p3845 Friction characteristic record activation

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 7010
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	3	0

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p3846[0...n] Friction characteristic record ramp-up/ramp-down time

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	999999.000 [s]	10.000 [s]

p3847[0...n] Friction characteristic record warm-up time

SERVO, VECTOR (n/M)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** 7010
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: REL | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [s]	3600.000 [s]	0.000 [s]

p3860 Number of Braking Modules connected in parallel

A_INF (Brk Mod ext), B_INF (Brk Mod ext), S_INF (Brk Mod ext)

Can be changed: C2(2) | **Calculated:** - | **Access level:** 3
Data type: Unsigned8 | **Dynamic index:** - | **Func. diagram:** 9951
P-Group: Converter | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	8	1

r3861.0...7 BO: Braking Module inhibit/acknowledgement

A_INF (Brk Mod ext), B_INF (Brk Mod ext), S_INF (Brk Mod ext)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 9951
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p3862 Braking Module DC link fast discharge delay time

A_INF (Brk Mod ext), B_INF (Brk Mod ext), S_INF (Brk Mod ext)

Can be changed: C1(3), T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 9951
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
500 [ms]	4294967295 [ms]	1000 [ms]

p3863 BI: Activating Braking Module DC link fast discharge

A_INF (Brk Mod ext), B_INF (Brk Mod ext), S_INF (Brk Mod ext)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9951
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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r3864.0...7 BO: Braking Module DC link fast discharge

A_INF (Brk Mod ext), B_INF (Brk Mod ext), S_INF (Brk Mod ext)

Can be changed: -
Data type: Unsigned32
P-Group: Commands
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9951
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p3865[0...7] BI: Braking Module pre-warning I*t shutdown

A_INF (Brk Mod ext), B_INF (Brk Mod ext), S_INF (Brk Mod ext)

Can be changed: T
Data type: Unsigned32 / Binary
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9951
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p3866[0...7] BI: Braking Module fault

A_INF (Brk Mod ext), B_INF (Brk Mod ext), S_INF (Brk Mod ext)

Can be changed: T
Data type: Unsigned32 / Binary
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9951
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p3870 Long stator configuration

SERVO

Can be changed: U, T
Data type: Unsigned16
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

p3871 BI: Set long stator signal source commutation angle (p3872)

SERVO

Can be changed: T
Data type: Unsigned32 / Binary
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p3872 CI: Long stator signal source commutation angle

SERVO

Can be changed: T
Data type: Unsigned32 / FloatingPoint32
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: p2005

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	3878[0]

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p3873 BI: Long stator sig. source changeover to cl.-loop ctrl w/ enc.

SERVO

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** -
P-Group: Functions | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p3874 CI: Long stator signal source commutation angle oper. with encoder

SERVO

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2005 | **Expert list:** 1

Min	Max	Factory setting
-	-	3879[0]

r3875.0...1 CO/BO: Long stator status word

SERVO

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r3875.0...1 CO/BO: Long stator status word

SERVO (Lin)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p3876 BI: Unpark long stator signal source 1 encoder

SERVO

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p3878 CO: Long stator commutation angle 1

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2005 | **Expert list:** 1

Min	Max	Factory setting
-180 [°]	180 [°]	0 [°]

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p3879 **CO: Long stator commutation angle 2**

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** p2005 | **Expert list:** 1

Min	Max	Factory setting
-180 [°]	180 [°]	0 [°]

p3900 **Completion of quick commissioning**

A_INF, B_INF, S_INF

Can be changed: C2(1) | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	3	0

p3900 **Completion of quick commissioning**

SERVO, VECTOR

Can be changed: C2(1) | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	3	0

p3902[0...n] **Power unit EEPROM Vdc calibration**

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: C1, C2(1), T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** PDS, p0120 | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	4294967295	0

r3925[0...n] **Identification final display**

SERVO

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r3925[0...n] **Identification final display**

VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Motor | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r3927[0...n] Motor data identification induction motor data determined

SERVO

Can be changed: - **Calculated:** CALC_MOD_ALL **Access level:** 3
Data type: Unsigned32 **Dynamic index:** DDS, p0180 **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r3927[0...n] Motor data identification control word

VECTOR

Can be changed: - **Calculated:** CALC_MOD_ALL **Access level:** 3
Data type: Unsigned16 **Dynamic index:** DDS, p0180 **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r3928[0...n] Motor data identification synchronous motor data determined

SERVO

Can be changed: - **Calculated:** CALC_MOD_ALL **Access level:** 3
Data type: Unsigned32 **Dynamic index:** DDS, p0180 **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r3928[0...n] Rotating measurement configuration

VECTOR (n/M)

Can be changed: - **Calculated:** CALC_MOD_ALL **Access level:** 3
Data type: Unsigned16 **Dynamic index:** DDS, p0180 **Func. diagram:** -
P-Group: Motor identification **Units group:** - **Unit selection:** -
Not for motor type: REL **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p3950 Service parameter

CU_CX32, CU_I, CU_S

Can be changed: C1, U, T **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r3977 BICO counter, topology

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r3978 BICO CounterDevice

CU_CX32, CU_I, CU_S

Can be changed: -
Data type: Unsigned32
P-Group: Commands
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r3979 BICO counter, drive object

A_INF, B_INF, CU_LINK, HUB, S_INF, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, TM54F_MA, TM54F_SL, VECTOR

Can be changed: -
Data type: Unsigned32
P-Group: Commands
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p3981 Faults, acknowledge drive object

All objects

Can be changed: U, T
Data type: Unsigned8
P-Group: Messages
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 8060
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	1	0

p3985 Master control mode selection

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: U, T
Data type: Integer16
P-Group: Setpoints
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	1	0

r3986 Parameter count

All objects

Can be changed: -
Data type: Unsigned16
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

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r3988[0...1] Ramp-up state

CU_CX32, CU_I, CU_S

Can be changed: -
Data type: Integer16
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	10800	-

r3996 Parameter write inhibit status

All objects

Can be changed: -
Data type: Unsigned8
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 1
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r3998 First infeed commissioning

A_INF, B_INF, S_INF

Can be changed: -
Data type: Unsigned16
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	65535	-

r3998[0...n] First drive commissioning

SERVO, VECTOR

Can be changed: -
Data type: Unsigned16
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: DDS, p0180
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	65535	-

r4021 TB30 digital inputs terminal actual value

TB30

Can be changed: -
Data type: Unsigned32
P-Group: Commands
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 9100
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r4021 TM15DI/DO digital inputs, terminal actual value

TM15DI_DO

Can be changed: -
Data type: Unsigned32
P-Group: Commands
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 9400, 9401, 9402
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

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r4021 TM31 digital inputs terminal actual value

TM31

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 1840, 9550, 9552, 9560, 9562
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4021 TM41 digital inputs terminal actual value

TM41

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4022.0...3 CO/BO: TB30 digital inputs, status

TB30

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 1790, 9100
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4022.0...23 CO/BO: TM15DI/DO digital inputs, status

TM15DI_DO

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 9400, 9401, 9402
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4022.0...11 CO/BO: TM31 digital inputs, status

TM31

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 1840, 9550, 9552, 9560, 9562
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r4022.0...11 CO/BO: TM41 digital inputs, status

TM41

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4023.0...3 BO: TB30 digital inputs, status inverted

TB30

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 1790, 9100
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4023.0...23 CO/BO: TM15DI/DO digital inputs, status inverted

TM15DI_DO

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 9400, 9401, 9402
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4023.0...11 CO/BO: TM31 digital inputs, status inverted

TM31

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 1840, 9550, 9552, 9560, 9562
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4023.0...11 BO: TM41 digital inputs, status inverted

TM41

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4024 CO: TM15DI/DO digital inputs 16 ... 23 status

TM15DI_DO

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 9402
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r4025 **CO: TM15DI/DO digital inputs 16 ... 23 status inverted**

TM15DI_DO

Can be changed: -
Calculated: -
Access level: 1
Data type: Unsigned16
Dynamic index: -
Func. diagram: 9402
P-Group: Commands
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p4028 **TM15 set input or output**

TM15

Can be changed: T
Calculated: -
Access level: 2
Data type: Unsigned32
Dynamic index: -
Func. diagram: -
P-Group: Commands
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

p4028 **TM15DI/DO set input or output**

TM15DI_DO

Can be changed: T
Calculated: -
Access level: 1
Data type: Unsigned32
Dynamic index: -
Func. diagram: 9400, 9401, 9402
P-Group: Commands
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

p4028 **TM17 set input or output**

TM17

Can be changed: T
Calculated: -
Access level: 2
Data type: Unsigned32
Dynamic index: -
Func. diagram: -
P-Group: Commands
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

p4028 **TM31 set input or output**

TM31

Can be changed: T
Calculated: -
Access level: 1
Data type: Unsigned32
Dynamic index: -
Func. diagram: 1840, 9560, 9562
P-Group: Commands
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

p4028 **TM41 set input or output**

TM41

Can be changed: T
Calculated: -
Access level: 1
Data type: Unsigned32
Dynamic index: -
Func. diagram: -
P-Group: Commands
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

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p4030 **BI: TB30 signal source for terminal DO 0**

TB30

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 1790, 9102
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4030 **BI: TM15DI/DO signal source for terminal DI/DO 0**

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9400
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4030 **BI: TM31 signal source for terminal DO 0**

TM31

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 1840, 9556
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4031 **BI: TB30 signal source for terminal DO 1**

TB30

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9102
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4031 **BI: TM15DI/DO signal source for terminal DI/DO 1**

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9400
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4031 **BI: TM31 signal source for terminal DO 1**

TM31

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 1840, 9556
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p4032 **BI: TB30 signal source for terminal DO 2**

TB30

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9102
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4032 **BI: TM15DI/DO signal source for terminal DI/DO 2**

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9400
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4033 **BI: TB30 signal source for terminal DO 3**

TB30

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 1790, 9102
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4033 **BI: TM15DI/DO signal source for terminal DI/DO 3**

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9400
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4034 **BI: TM15DI/DO signal source for terminal DI/DO 4**

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9400
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4035 **BI: TM15DI/DO signal source for terminal DI/DO 5**

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9400
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p4036 **BI: TM15DI/DO signal source for terminal DI/DO 6**

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9400
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4037 **BI: TM15DI/DO signal source for terminal DI/DO 7**

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9400
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4038 **BI: TM15DI/DO signal source for terminal DI/DO 8**

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9401
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4038 **BI: TM31 signal source for terminal DI/DO 8**

TM31

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 1840, 9560
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4038 **BI: TM41 signal source for terminal DI/DO 0**

TM41

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9661
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4039 **BI: TM15DI/DO signal source for terminal DI/DO 9**

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9401
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p4039 **BI: TM31 signal source for terminal DI/DO 9**

TM31

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9560
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4039 **BI: TM41 signal source for terminal DI/DO 1**

TM41

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9661
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4040 **BI: TM15DI/DO signal source for terminal DI/DO 10**

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9401
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4040 **BI: TM31 signal source for terminal DI/DO 10**

TM31

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9562
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4040 **BI: TM41 signal source for terminal DI/DO 2**

TM41

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9662
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4041 **BI: TM15DI/DO signal source for terminal DI/DO 11**

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9401
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p4041 **BI: TM31 signal source for terminal DI/DO 11**

TM31

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 1840, 9562
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4041 **BI: TM41 signal source for terminal DI/DO 3**

TM41

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9662
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4042 **BI: TM15DI/DO signal source for terminal DI/DO 12**

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9401
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4043 **BI: TM15DI/DO signal source for terminal DI/DO 13**

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9401
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4044 **BI: TM15DI/DO signal source for terminal DI/DO 14**

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9401
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4045 **BI: TM15DI/DO signal source for terminal DI/DO 15**

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9401
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p4046 **TM31 digital outputs, limit current**

TM31

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 9560
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

r4047 **TB30 digital outputs status**

TB30

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 9102
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4047 **TM15DI/DO digital outputs, status**

TM15DI_DO

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 9400, 9401, 9402
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4047 **TM31 digital outputs status**

TM31

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 9556, 9560, 9562
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4047 **TM41 digital outputs status**

TM41

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p4048 **TB30 invert digital outputs**

TB30

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 9102
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

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p4048 **TM15 invert digital inputs/outputs**

TM15

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min | **Max** | **Factory setting**
- | - | 0000 bin

p4048 **TM15DI/DO invert digital outputs**

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 9400, 9401, 9402
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min | **Max** | **Factory setting**
- | - | 0000 bin

p4048 **TM17 invert digital inputs/outputs**

TM17

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min | **Max** | **Factory setting**
- | - | 0000 bin

p4048 **TM31 invert digital outputs**

TM31

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 9556, 9560, 9562
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min | **Max** | **Factory setting**
- | - | 0000 bin

p4048 **TM41 invert digital outputs**

TM41

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min | **Max** | **Factory setting**
- | - | 0000 bin

p4049 **TM15 digital inputs/outputs, set the mode**

TM15

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min | **Max** | **Factory setting**
- | - | 0000 bin

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p4049 TM17 digital inputs/outputs, set the mode

TM17

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

r4052[0...1] CO: TB30 analog inputs, current input voltage

TB30

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9104
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

r4052[0...1] CO: TM31 analog inputs, current input voltage/current

TM31

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9566, 9568
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4052[0] CO: TM41 analog inputs, current input voltage

TM41

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9663
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

p4053[0...1] TB30 analog inputs, smoothing time constant

TB30

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9104
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [ms]	1000.0 [ms]	0.0 [ms]

p4053[0...1] TM31 analog inputs, smoothing time constant

TM31

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9566, 9568
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [ms]	1000.0 [ms]	0.0 [ms]

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p4053[0] TM41 analog inputs, smoothing time constant

TM41

Can be changed: U, T
Calculated: -
Access level: 1
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 9663
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.0 [ms]	1000.0 [ms]	0.0 [ms]

r4055[0...1] CO: TB30 analog inputs, current value in percent

TB30

Can be changed: -
Calculated: -
Access level: 1
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 1790, 9104
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: PERCENT
Expert list: 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r4055[0...1] CO: TM31 analog inputs, current value in percent

TM31

Can be changed: -
Calculated: -
Access level: 1
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 1840, 9566, 9568
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: PERCENT
Expert list: 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r4055[0] CO: TM41 analog inputs, current value in percent

TM41

Can be changed: -
Calculated: -
Access level: 1
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 9663
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: PERCENT
Expert list: 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r4056[0...1] TB30 analog inputs, type

TB30

Can be changed: -
Calculated: -
Access level: 1
Data type: Integer16
Dynamic index: -
Func. diagram: -
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
4	4	-

p4056[0...1] TM31 analog inputs, type

TM31

Can be changed: U, T
Calculated: -
Access level: 1
Data type: Integer16
Dynamic index: -
Func. diagram: 9566, 9568
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	5	4

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r4056 **TM41 analog input, type**

TM41

Can be changed: -
Data type: Integer16
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 1
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
4	4	-

p4057[0...1] **TB30 analog inputs, characteristic value x1**

TB30

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 9104
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-11.000 [V]	11.000 [V]	0.000 [V]

p4057[0...1] **TM31 analog inputs, characteristic value x1**

TM31

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 9566, 9568
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-20.000	20.000	0.000

p4057[0] **TM41 analog input, characteristic value x1**

TM41

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 9663
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-20.000 [V]	20.000 [V]	0.000 [V]

p4058[0...1] **TB30 analog inputs, characteristic value y1**

TB30

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 9104
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-1000.00 [%]	1000.00 [%]	0.00 [%]

p4058[0...1] **TM31 analog inputs, characteristic value y1**

TM31

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 9566, 9568
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-1000.00 [%]	1000.00 [%]	0.00 [%]

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p4058[0] TM41 analog input, characteristic value y1

TM41

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 9663
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-1000.00 [%]	1000.00 [%]	0.00 [%]

p4059[0...1] TB30 analog inputs, characteristic value x2

TB30

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 9104
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-11.000 [V]	11.000 [V]	10.000 [V]

p4059[0...1] TM31 analog inputs, characteristic value x2

TM31

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 9566, 9568
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-20.000	20.000	10.000

p4059[0] TM41 analog input, characteristic value x2

TM41

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 9663
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-20.000 [V]	20.000 [V]	10.000 [V]

p4060[0...1] TB30 analog inputs, characteristic value y2

TB30

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 9104
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-1000.00 [%]	1000.00 [%]	100.00 [%]

p4060[0...1] TM31 analog inputs, characteristic value y2

TM31

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 9566, 9568
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-1000.00 [%]	1000.00 [%]	100.00 [%]

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p4060[0] TM41 analog input, characteristic value y2

TM41

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9663
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000.00 [%]	1000.00 [%]	100.00 [%]

p4061[0...1] TM31 analog inputs, wire breakage monitoring response threshold

TM31

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9566, 9568
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [mA]	20.00 [mA]	2.00 [mA]

p4062[0...1] TM31 analog inputs, wire breakage monitoring delay time

TM31

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 9566, 9568
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	1000 [ms]	100 [ms]

p4063[0...1] TB30 analog inputs offset

TB30

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9104
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-20.000 [V]	20.000 [V]	0.000 [V]

p4063[0...1] TM31 analog inputs offset

TM31

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9566, 9568
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-20.000	20.000	0.000

p4063[0] TM41 analog input, offset

TM41

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9663
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-20.000 [V]	20.000 [V]	0.000 [V]

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p4066[0...1] TB30 analog inputs, activate absolute value generation

TB30

Can be changed: U, T
Data type: Integer16
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9104
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	1	0

p4066[0...1] TM31 analog inputs, activate absolute value generation

TM31

Can be changed: U, T
Data type: Integer16
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9566, 9568
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	1	0

p4066[0] TM41 analog input, activate absolute value generation

TM41

Can be changed: U, T
Data type: Integer16
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9663
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	1	0

p4067[0...1] BI: TB30 analog inputs invert signal source

TB30

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9104
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p4067[0...1] BI: TM31 analog inputs invert signal source

TM31

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9566, 9568
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p4067[0] BI: TM41 analog input invert signal source

TM41

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9663
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

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p4068[0...1] TB30 analog inputs, window to suppress noise

TB30

Can be changed: U, T
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 9104
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [%]	20.00 [%]	0.00 [%]

p4068[0...1] TM31 analog inputs, window to suppress noise

TM31

Can be changed: U, T
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 9566, 9568
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [%]	20.00 [%]	0.00 [%]

p4068[0] TM41 analog input, window to suppress noise

TM41

Can be changed: U, T
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 9663
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.00 [%]	20.00 [%]	0.00 [%]

p4069[0...1] BI: TB30 analog inputs, signal source for enable

TB30

Can be changed: U, T
Calculated: -
Access level: 3
Data type: Unsigned32 / Binary
Dynamic index: -
Func. diagram: 9104
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	1

p4069[0...1] BI: TM31 analog inputs, signal source for enable

TM31

Can be changed: U, T
Calculated: -
Access level: 3
Data type: Unsigned32 / Binary
Dynamic index: -
Func. diagram: 9566, 9568
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	1

p4069[0] BI: TM41 analog input, signal source for enable

TM41

Can be changed: U, T
Calculated: -
Access level: 3
Data type: Unsigned32 / Binary
Dynamic index: -
Func. diagram: 9663
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	1

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p4071[0...1] CI: TB30 analog outputs, signal source

TB30

Can be changed: U, T
Calculated: -
Access level: 1
Data type: Unsigned32 / FloatingPoint32
Dynamic index: -
Func. diagram: 1790, 9106
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: PERCENT
Expert list: 1

Min	Max	Factory setting
-	-	0

p4071[0...1] CI: TM31 analog outputs, signal source

TM31

Can be changed: U, T
Calculated: -
Access level: 1
Data type: Unsigned32 / FloatingPoint32
Dynamic index: -
Func. diagram: 1840, 9572
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: PERCENT
Expert list: 1

Min	Max	Factory setting
-	-	0

r4072[0...1] TB30 analog outputs, output value currently referred

TB30

Can be changed: -
Calculated: -
Access level: 1
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 9106
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r4072[0...1] TM31 analog outputs, output value currently referred

TM31

Can be changed: -
Calculated: -
Access level: 1
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 9572
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

p4073[0...1] TB30 analog outputs, smoothing time constant

TB30

Can be changed: U, T
Calculated: -
Access level: 1
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 9106
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.0 [ms]	1000.0 [ms]	0.0 [ms]

p4073[0...1] TM31 analog outputs, smoothing time constant

TM31

Can be changed: U, T
Calculated: -
Access level: 1
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 9572
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0.0 [ms]	1000.0 [ms]	0.0 [ms]

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r4074[0...1] TB30 analog outputs, current output voltage

TB30

Can be changed: - **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 9106
P-Group: Terminals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

r4074[0...1] TM31 analog outputs, current output voltage/current

TM31

Can be changed: - **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 9572
P-Group: Terminals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
-	-	-

p4075[0...1] TB30 analog outputs, activate absolute value generation

TB30

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** 9106
P-Group: Terminals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

p4075[0...1] TM31 analog outputs, activate absolute value generation

TM31

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** 9572
P-Group: Terminals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

r4076[0...1] TB30 analog outputs, type

TB30

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Terminals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
4	4	-

p4076[0...1] TM31 analog outputs, type

TM31

Can be changed: U, T **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** - **Func. diagram:** 9572
P-Group: Terminals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	4	4

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p4077[0...1] TB30 analog outputs, characteristic value x1

TB30

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 9106
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-1000.00 [%]	1000.00 [%]	0.00 [%]

p4077[0...1] TM31 analog outputs, characteristic value x1

TM31

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 9572
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-1000.00 [%]	1000.00 [%]	0.00 [%]

p4078[0...1] TB30 analog outputs, characteristic value y1

TB30

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 9106
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-11.000 [V]	11.000 [V]	0.000 [V]

p4078[0...1] TM31 analog outputs, characteristic value y1

TM31

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 9572
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-20.000 [V]	20.000 [V]	0.000 [V]

p4079[0...1] TB30 analog outputs, characteristic value x2

TB30

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 9106
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-1000.00 [%]	1000.00 [%]	100.00 [%]

p4079[0...1] TM31 analog outputs, characteristic value x2

TM31

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 9572
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-1000.00 [%]	1000.00 [%]	100.00 [%]

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p4080[0...1] TB30 analog outputs, characteristic value y2

TB30

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 9106
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-11.000 [V]	11.000 [V]	10.000 [V]

p4080[0...1] TM31 analog outputs, characteristic value y2

TM31

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 9572
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-20.000 [V]	20.000 [V]	10.000 [V]

p4082[0...1] BI: TB30 analog outputs invert signal source

TB30

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9106
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p4082[0...1] BI: TM31 analog outputs invert signal source

TM31

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9572
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p4083[0...1] TB30 analog outputs, offset

TB30

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 1
Func. diagram: 9106
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-10.000	10.000	0.000

p4083[0...1] TM31 analog outputs, offset

TM31

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Terminals
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 1
Func. diagram: 9572
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-20.000	20.000	0.000

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p4086 BI: TM15DI/DO signal source for terminal DI/DO 16

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9402
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4087 BI: TM15DI/DO signal source for terminal DI/DO 17

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9402
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4088 BI: TM15DI/DO signal source for terminal DI/DO 18

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9402
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4089 BI: TM15DI/DO signal source for terminal DI/DO 19

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9402
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4090 BI: TM15DI/DO signal source for terminal DI/DO 20

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9402
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p4091 BI: TM15DI/DO signal source for terminal DI/DO 21

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 9402
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p4092 **BI: TM15DI/DO signal source for terminal DI/DO 22**

TM15DI_DO	**Can be changed:** U, T	**Calculated:** -	**Access level:** 1
	Data type: Unsigned32 / Binary	**Dynamic index:** -	**Func. diagram:** 9402
	P-Group: Commands	**Units group:** -	**Unit selection:** -
	Not for motor type: -	**Scaling:** -	**Expert list:** 1
	Min	**Max**	**Factory setting**
	-	-	0

p4093 **BI: TM15DI/DO signal source for terminal DI/DO 23**

TM15DI_DO	**Can be changed:** U, T	**Calculated:** -	**Access level:** 1
	Data type: Unsigned32 / Binary	**Dynamic index:** -	**Func. diagram:** 9402
	P-Group: Commands	**Units group:** -	**Unit selection:** -
	Not for motor type: -	**Scaling:** -	**Expert list:** 1
	Min	**Max**	**Factory setting**
	-	-	0

r4094.0...23 **BO: TM15 digital inputs status inverted raw data internal**

TM15DI_DO	**Can be changed:** -	**Calculated:** -	**Access level:** 4
	Data type: Unsigned32	**Dynamic index:** -	**Func. diagram:** -
	P-Group: Commands	**Units group:** -	**Unit selection:** -
	Not for motor type: -	**Scaling:** -	**Expert list:** 1
	Min	**Max**	**Factory setting**
	-	-	-

p4095 **TB30 digital inputs, simulation mode**

TB30	**Can be changed:** U, T	**Calculated:** -	**Access level:** 2
	Data type: Unsigned32	**Dynamic index:** -	**Func. diagram:** 1790, 9100
	P-Group: Commands	**Units group:** -	**Unit selection:** -
	Not for motor type: -	**Scaling:** -	**Expert list:** 1
	Min	**Max**	**Factory setting**
	-	-	0000 bin

p4095 **TM15DI/DO digital inputs, simulation mode**

TM15DI_DO	**Can be changed:** U, T	**Calculated:** -	**Access level:** 2
	Data type: Unsigned32	**Dynamic index:** -	**Func. diagram:** 9400, 9401, 9402
	P-Group: Terminals	**Units group:** -	**Unit selection:** -
	Not for motor type: -	**Scaling:** -	**Expert list:** 1
	Min	**Max**	**Factory setting**
	-	-	0000 bin

p4095 **TM31 digital inputs, simulation mode**

TM31	**Can be changed:** U, T	**Calculated:** -	**Access level:** 2
	Data type: Unsigned32	**Dynamic index:** -	**Func. diagram:** 1840, 9550, 9552, 9560, 9562
	P-Group: Terminals	**Units group:** -	**Unit selection:** -
	Not for motor type: -	**Scaling:** -	**Expert list:** 1
	Min	**Max**	**Factory setting**
	-	-	0000 bin

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p4095 TM41 digital inputs, simulation mode

TM41

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p4096 TB30 digital inputs, simulation mode setpoint

TB30

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 1790, 9100
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p4096 TM15DI/DO digital inputs, simulation mode, setpoint

TM15DI_DO

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 9400, 9401, 9402
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p4096 TM31 digital inputs, simulation mode setpoint

TM31

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 1840, 9550, 9552, 9560, 9562
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p4096 TM41 digital inputs, simulation mode setpoint

TM41

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p4097[0...1] TB30 analog inputs simulation mode

TB30

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 9104
P-Group: Terminals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

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p4097[0...1] TM31 analog inputs simulation mode

TM31

Can be changed: U, T
Calculated: -
Access level: 2
Data type: Integer16
Dynamic index: -
Func. diagram: 9566, 9568
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	1	0

p4097[0] TM41 analog input, simulation mode

TM41

Can be changed: U, T
Calculated: -
Access level: 2
Data type: Integer16
Dynamic index: -
Func. diagram: 9663
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	1	0

p4098[0...1] TB30 analog inputs simulation mode setpoint

TB30

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 9104
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-11.000 [V]	11.000 [V]	0.000 [V]

p4098[0...1] TM31 analog inputs simulation mode setpoint

TM31

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 9566, 9568
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-20.000	20.000	0.000

p4098[0] TM41 analog input, simulation mode setpoint

TM41

Can be changed: U, T
Calculated: -
Access level: 2
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: 9663
P-Group: Terminals
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-20.000 [V]	20.000 [V]	0.000 [V]

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p4099[0...2] TB30 inputs/outputs, sampling time

TB30

Can be changed: C1(3) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9100, 9102, 9104, 9106
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	5000.00 [µs]	[0] 4000.00 [µs] [1] 4000.00 [µs] [2] 4000.00 [µs]

p4099 TM15 inputs/outputs, sampling time

TM15

Can be changed: C1(3) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
31.25 [µs]	500.00 [µs]	125.00 [µs]

p4099 TM15DI/DO inputs/outputs, sampling time

TM15DI_DO

Can be changed: C1(3) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9400, 9401, 9402
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	5000.00 [µs]	4000.00 [µs]

p4099 TM17 inputs/outputs, sampling time

TM17

Can be changed: C1(3) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
31.25 [µs]	500.00 [µs]	125.00 [µs]

p4099[0...2] TM31 inputs/outputs, sampling time

TM31

Can be changed: C1(3) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9550
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	5000.00 [µs]	4000.00 [µs]

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p4099[0...3] TM41 inputs/outputs, sampling time

TM41

Can be changed: C1(3) | **Calculated:** - | **Access level:** 3

Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9660, 9661, 9662, 9663, 9674, 9676

P-Group: Commands | **Units group:** - | **Unit selection:** -

Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	5000.00 [µs]	[0] 4000.00 [µs] [1] 4000.00 [µs] [2] 0.00 [µs] [3] 125.00 [µs]

p4100 TM31 temperature evaluation, sensor type

TM31

Can be changed: T | **Calculated:** - | **Access level:** 1

Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 9576, 9577

P-Group: - | **Units group:** - | **Unit selection:** -

Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	2	0

r4101 TM31 temperature evaluation, sensor resistance

TM31

Can be changed: - | **Calculated:** - | **Access level:** 3

Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 9576, 9577

P-Group: Terminals | **Units group:** - | **Unit selection:** -

Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
- [Ohm]	- [Ohm]	- [Ohm]

p4102[0...1] TM31 temperature evaluation fault/alarm threshold

TM31

Can be changed: T | **Calculated:** - | **Access level:** 1

Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 9576

P-Group: - | **Units group:** - | **Unit selection:** -

Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-48 [°C]	251 [°C]	[0] 100 [°C] [1] 120 [°C]

p4103 TM31 temperature evaluation timer

TM31

Can be changed: U, T | **Calculated:** - | **Access level:** 1

Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 9576

P-Group: Motor | **Units group:** - | **Unit selection:** -

Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [ms]	600.000 [ms]	0.000 [ms]

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r4104.0...1 **BO: TM31 temperature evaluation, status**

TM31

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 1840, 9576
P-Group: Terminals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4105 **CO: TM31 temperature evaluation, actual value**

TM31

Can be changed: - **Calculated:** - **Access level:** 1
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 1840, 9576
P-Group: Terminals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r4154 **TM41 diagnostics speed setpoint non-filtered**

TM41

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r4155 **TM41 diagnostics speed setpoint**

TM41

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 9674
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r4201 **TM15 system time for synchronization**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4201 **TM17 system time for synchronization**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r4204 **TM15 control digital output 0 ... 15**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4204 **TM17 control digital output 0 ... 15**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4205 **TM15 control digital output 16 ... 23**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4211 **TM15 edge mode digital input 0 ... 7**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4211 **TM17 edge mode digital input 0 ... 7**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4212 **TM15 edge mode digital input 8 ... 15**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r4212 TM17 edge mode digital input 8 ... 15

TM17

Can be changed: -
Calculated: -
Access level: 3
Data type: Unsigned16
Dynamic index: -
Func. diagram: -
P-Group: Commands
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r4213 TM15 edge mode digital input 16 ... 23

TM15

Can be changed: -
Calculated: -
Access level: 3
Data type: Unsigned16
Dynamic index: -
Func. diagram: -
P-Group: Commands
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p4220 TM17 enable DI/DO 0 ... 5

TM17

Can be changed: T
Calculated: -
Access level: 2
Data type: Unsigned32
Dynamic index: -
Func. diagram: -
P-Group: Commands
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

p4221 TM17 smoothing time constant, digital input 0 ... 15

TM17

Can be changed: U, T
Calculated: -
Access level: 2
Data type: Unsigned32
Dynamic index: -
Func. diagram: -
P-Group: Commands
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

p4222 TM17 time absolute/relative digital output 0 ... 15

TM17

Can be changed: T
Calculated: -
Access level: 2
Data type: Unsigned32
Dynamic index: -
Func. diagram: -
P-Group: Commands
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

r4250 TM15 set/reset time digital output 0

TM15

Can be changed: -
Calculated: -
Access level: 3
Data type: Unsigned16
Dynamic index: -
Func. diagram: -
P-Group: Commands
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

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r4250 **TM17 set/reset time digital output 0**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4251 **TM15 set/reset time digital output 1**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4251 **TM17 set/reset time digital output 1**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4252 **TM15 set/reset time digital output 2**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4252 **TM17 set/reset time digital output 2**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4253 **TM15 set/reset time digital output 3**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r4253 TM17 set/reset time digital output 3

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4254 TM15 set/reset time digital output 4

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4254 TM17 set/reset time digital output 4

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4255 TM15 set/reset time digital output 5

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4255 TM17 set/reset time digital output 5

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4256 TM15 set/reset time digital output 6

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r4256 **TM17 set/reset time digital output 6**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4257 **TM15 set/reset time digital output 7**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4257 **TM17 set/reset time digital output 7**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4258 **TM15 set/reset time digital output 8**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4258 **TM17 set/reset time digital output 8**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4259 **TM15 set/reset time digital output 9**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r4259 TM17 set/reset time digital output 9

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4260 TM15 set/reset time digital output 10

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4260 TM17 set/reset time digital output 10

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4261 TM15 set/reset time digital output 11

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4261 TM17 set/reset time digital output 11

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4262 TM15 set/reset time digital output 12

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r4262 **TM17 set/reset time digital output 12**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4263 **TM15 set/reset time digital output 13**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4263 **TM17 set/reset time digital output 13**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4264 **TM15 set/reset time digital output 14**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4264 **TM17 set/reset time digital output 14**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4265 **TM15 set/reset time digital output 15**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r4265 TM17 set/reset time digital output 15

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4266 TM15 set/reset time digital output 16

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4267 TM15 set/reset time digital output 17

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4268 TM15 set/reset time digital output 18

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4269 TM15 set/reset time digital output 19

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4270 TM15 set/reset time digital output 20

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r4271 **TM15 set/reset time digital output 21**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4272 **TM15 set/reset time digital output 22**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4273 **TM15 set/reset time digital output 23**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4301 **TM15 module synchronization**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4301 **TM17 module synchronization**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4304 **TM15 status, digital input 0 ... 15**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r4304 **TM17 status, digital input 0 ... 15**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4305 **TM15 status, digital input 16 ... 23**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4311 **TM15 edge status digital input 0 ... 7**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4311 **TM17 edge status digital input 0 ... 7**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4312 **TM15 edge status digital input 8 ... 15**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4312 **TM17 edge status digital input 8 ... 15**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r4313 **TM15 edge status digital input 16 ... 23**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4350 **TM15 edge times digital input 0**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4350 **TM17 edge times digital input 0**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4351 **TM15 edge times digital input 1**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4351 **TM17 edge times digital input 1**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4352 **TM15 edge times digital input 2**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r4352 **TM17 edge times digital input 2**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4353 **TM15 edge times digital input 3**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4353 **TM17 edge times digital input 3**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4354 **TM15 edge times digital input 4**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4354 **TM17 edge times digital input 4**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4355 **TM15 edge times digital input 5**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r4355 **TM17 edge times digital input 5**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4356 **TM15 edge times digital input 6**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4356 **TM17 edge times digital input 6**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4357 **TM15 edge times digital input 7**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4357 **TM17 edge times digital input 7**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4358 **TM15 edge times digital input 8**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r4358 TM17 edge times digital input 8

TM17 | **Can be changed:** - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4359 TM15 edge times digital input 9

TM15 | **Can be changed:** - | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4359 TM17 edge times digital input 9

TM17 | **Can be changed:** - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4360 TM15 edge times digital input 10

TM15 | **Can be changed:** - | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4360 TM17 edge times digital input 10

TM17 | **Can be changed:** - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4361 TM15 edge times digital input 11

TM15 | **Can be changed:** - | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r4361 **TM17 edge times digital input 11**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4362 **TM15 edge times digital input 12**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4362 **TM17 edge times digital input 12**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4363 **TM15 edge times digital input 13**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4363 **TM17 edge times digital input 13**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4364 **TM15 edge times digital input 14**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r4364 **TM17 edge times digital input 14**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4365 **TM15 edge times digital input 15**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4365 **TM17 edge times digital input 15**

TM17

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4366 **TM15 edge times digital input 16**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4367 **TM15 edge times digital input 17**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4368 **TM15 edge times digital input 18**

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r4369 TM15 edge times digital input 19

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4370 TM15 edge times digital input 20

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4371 TM15 edge times digital input 21

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4372 TM15 edge times digital input 22

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4373 TM15 edge times digital input 23

TM15

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p4400 TM41 incremental encoder emulation operating mode

TM41

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** 9674, 9676
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

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p4401 TM41 incremental encoder emulation mode

TM41

Can be changed: U, T
Data type: Unsigned16
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9674, 9676
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0001 bin

r4402.0...2 CO/BO: TM41 incremental encoder emulation, status

TM41

Can be changed: -
Data type: Unsigned16
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9674, 9676
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r4403 Incremental encoder emulation mode active

TM41

Can be changed: -
Data type: Unsigned16
P-Group: Closed-loop control
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9674, 9676
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p4404 TM41 incremental encoder emulation controller options

TM41

Can be changed: C2(4)
Data type: Unsigned16
P-Group: Encoder
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0001 bin

p4420 CI: TM41 incremental encoder emulation position actual value

TM41

Can be changed: T
Data type: Unsigned32 / Integer32
P-Group: Setpoints
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9676
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p4421 TM41 incremental encoder emulation deadtime compensation

TM41

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Setpoints
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9676
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-10.00	10.00	0.00

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p4422 TM41 position actual value inversion

TM41

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 9676
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

p4423 TM41 standstill adaptation

TM41

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 9676
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	2000	40

p4426 Incremental encoder emulation, pulses for zero mark

TM41

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 9674
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	8192	0

p4600[0...n] Motor temperature sensor 1 sensor type

SERVO, VECTOR

Can be changed: C2(3), U, T **Calculated:** - **Access level:** 2
Data type: Integer16 **Dynamic index:** EDS **Func. diagram:** 8016
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	32	0

p4601[0...n] Motor temperature sensor 2 sensor type

SERVO, VECTOR

Can be changed: C2(3), U, T **Calculated:** - **Access level:** 2
Data type: Integer16 **Dynamic index:** EDS **Func. diagram:** 8016
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	32	0

p4602[0...n] Motor temperature sensor 3 sensor type

SERVO, VECTOR

Can be changed: C2(3), U, T **Calculated:** - **Access level:** 2
Data type: Integer16 **Dynamic index:** EDS **Func. diagram:** 8016
P-Group: Motor **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	32	0

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p4603[0...n] Motor temperature sensor 4 sensor type

SERVO, VECTOR

Can be changed: C2(3), U, T
Calculated: -
Access level: 2
Data type: Integer16
Dynamic index: EDS
Func. diagram: 8016
P-Group: Motor
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	32	0

r4620[0...3] Motor temperature measured

SERVO, VECTOR

Can be changed: -
Calculated: -
Access level: 3
Data type: FloatingPoint32
Dynamic index: -
Func. diagram: -
P-Group: Displays, signals
Units group: 21_1
Unit selection: p0505
Not for motor type: -
Scaling: TEMP
Expert list: 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

p4680[0...n] Zero mark monitoring tolerance permissible

SERVO, VECTOR

Can be changed: C2(4)
Calculated: -
Access level: 3
Data type: Unsigned32
Dynamic index: EDS
Func. diagram: -
P-Group: Encoder
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	1000	4

p4681[0...n] Zero mark monitoring, tolerance window limit 1 positive

SERVO, VECTOR

Can be changed: C2(4)
Calculated: -
Access level: 3
Data type: Unsigned32
Dynamic index: EDS
Func. diagram: -
P-Group: Encoder
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	1000	2

p4682[0...n] Zero mark monitoring, tolerance window limit 1 negative

SERVO, VECTOR

Can be changed: C2(4)
Calculated: -
Access level: 3
Data type: Integer32
Dynamic index: EDS
Func. diagram: -
P-Group: Encoder
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-1001	0	-1001

p4683[0...n] Zero mark monitoring, tolerance window limit 2 positive

SERVO, VECTOR

Can be changed: C2(4)
Calculated: -
Access level: 3
Data type: Unsigned32
Dynamic index: EDS
Func. diagram: -
P-Group: Encoder
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	100000	0

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p4684[0...n] Zero mark monitoring, tolerance window limit 2 negative

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Integer32 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-100001	0	-100001

p4685[0...n] Changeover, average value generation

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	20	0

p4686[0...n] Zero mark minimum length

SERVO, VECTOR

Can be changed: C2(4) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** EDS **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	10	0

r4688[0...2] Zero mark monitoring, differential pulse count

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r4689[0...2] CO: Squarewave encoder, diagnostics

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Encoder **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p4690 SMI component number

CU_CX32, CU_I, CU_S

Can be changed: T **Calculated:** - **Access level:** 1
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	399	0

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p4691 Save/download SMI data

CU_CX32, CU_I, CU_S

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	15	0

p4692 Save SMI data of all SMI

CU_CX32, CU_I, CU_S

Can be changed: T | **Calculated:** - | **Access level:** 1
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	13	0

p4700[0...1] Trace control

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
0	1	0

p4701 Measuring function, control

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
0	3	0

r4705[0...1] Trace status

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
0	4	-

r4706 Measuring function, status

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
0	5	-

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r4708[0...1] Trace memory space required

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

p4710[0...1] Trace trigger condition

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
1	7	2

p4711[0...5] Trace trigger signal

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	0

p4712[0...1] Trace trigger threshold

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-340.28235E36	340.28235E36	0.00

p4713[0...1] Trace tolerance band trigger threshold

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-340.28235E36	340.28235E36	0.00

p4714[0...1] Trace tolerance band trigger threshold

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-340.28235E36	340.28235E36	0.00

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p4715[0...1] Trace bit mask trigger, bit mask

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
0	4294967295	0

p4716[0...1] Trace, bit mask trigger, trigger condition

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
0	4294967295	0

p4717 Measuring function, number of averaging operations

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned8 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
0	255	0

p4718 Measuring function, number of stabilizing periods

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned8 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
0	255	0

r4719[0...1] Trace trigger index

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
-	-	-

p4720[0...1] Trace recording cycle

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
0.000 [ms]	60000.000 [ms]	1.000 [ms]

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p4721[0...1] Trace recording time

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
0.000 [ms]	3600000.000 [ms]	1000.000 [ms]

p4722[0...1] Trace trigger delay

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
-3600000.000 [ms]	3600000.000 [ms]	0.000 [ms]

p4723[0...1] Time slice cycle for trace

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
0.03125 [ms]	4.00000 [ms]	0.12500 [ms]

p4724[0...1] Trace average in the time range

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned8 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
0000 bin	0001 bin	0000 bin

r4725[0...1] Trace, data type 1 traced

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4726[0...1] Trace, data type 2 traced

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
-	-	-

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r4727[0...1] Trace, data type 3 traced

CU_CX32, CU_I, CU_S

Can be changed: -
Calculated: -
Access level: 3
Data type: Unsigned32
Dynamic index: -
Func. diagram: -
P-Group: Trace and function generator
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 0

Min	Max	Factory setting
-	-	-

r4728[0...1] Trace, data type 4 traced

CU_CX32, CU_I, CU_S

Can be changed: -
Calculated: -
Access level: 3
Data type: Unsigned32
Dynamic index: -
Func. diagram: -
P-Group: Trace and function generator
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 0

Min	Max	Factory setting
-	-	-

r4729[0...1] Trace number of recorded values

CU_CX32, CU_I, CU_S

Can be changed: -
Calculated: -
Access level: 3
Data type: Unsigned32
Dynamic index: -
Func. diagram: -
P-Group: Trace and function generator
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 0

Min	Max	Factory setting
-	-	-

p4730[0...5] Trace record signal 0

CU_CX32, CU_I, CU_S

Can be changed: U, T
Calculated: -
Access level: 3
Data type: Unsigned32
Dynamic index: -
Func. diagram: -
P-Group: Trace and function generator
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 0

Min	Max	Factory setting
-	-	0

p4731[0...5] Trace record signal 1

CU_CX32, CU_I, CU_S

Can be changed: U, T
Calculated: -
Access level: 3
Data type: Unsigned32
Dynamic index: -
Func. diagram: -
P-Group: Trace and function generator
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 0

Min	Max	Factory setting
-	-	0

p4732[0...5] Trace record signal 2

CU_CX32, CU_I, CU_S

Can be changed: U, T
Calculated: -
Access level: 3
Data type: Unsigned32
Dynamic index: -
Func. diagram: -
P-Group: Trace and function generator
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 0

Min	Max	Factory setting
-	-	0

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p4733[0...5] Trace record signal 3

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
-	-	0

p4734[0...5] Trace record signal 4

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
-	-	0

p4735[0...5] Trace record signal 5

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
-	-	0

p4736[0...5] Trace record signal 6

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
-	-	0

p4737[0...5] Trace record signal 7

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
-	-	0

r4740[0...16383] Trace 0 trace buffer signal 0 floating point

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
-	-	-

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r4741[0...16383] Trace 0 trace buffer signal 1 floating point

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4742[0...16383] Trace 0 trace buffer signal 2 floating point

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4743[0...16383] Trace 0 trace buffer signal 3 floating point

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4744[0...16383] Trace 0 trace buffer signal 4 floating point

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4745[0...16383] Trace 0 trace buffer signal 5 floating point

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4746[0...16383] Trace 0 trace buffer signal 6 floating point

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

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r4747[0...16383] Trace 0 trace buffer signal 7 floating point

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4750[0...16383] Trace 1 trace buffer signal 0 floating point

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4751[0...16383] Trace 1 trace buffer signal 1 floating point

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4752[0...16383] Trace 1 trace buffer signal 2 floating point

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4753[0...16383] Trace 1 trace buffer signal 3 floating point

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4754[0...16383] Trace 1 trace buffer signal 4 floating point

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

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r4755[0...16383] Trace 1 trace buffer signal 5 floating point

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4756[0...16383] Trace 1 trace buffer signal 6 floating point

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4757[0...16383] Trace 1 trace buffer signal 7 floating point

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4760[0...16383] Trace 0 trace buffer signal 0

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4761[0...16383] Trace 0 trace buffer signal 1

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4762[0...16383] Trace 0 trace buffer signal 2

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

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r4763[0...16383] Trace 0 trace buffer signal 3

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4764[0...16383] Trace 0 trace buffer signal 4

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4765[0...16383] Trace 0 trace buffer signal 5

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4766[0...16383] Trace 0 trace buffer signal 6

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4767[0...16383] Trace 0 trace buffer signal 7

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4770[0...16383] Trace 1 trace buffer signal 0

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

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r4771[0...16383] Trace 1 trace buffer signal 1

CU_CX32, CU_I, CU_S

Can be changed: -
Data type: Unsigned32
P-Group: Trace and function generator
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
-	-	-

r4772[0...16383] Trace 1 trace buffer signal 2

CU_CX32, CU_I, CU_S

Can be changed: -
Data type: Unsigned32
P-Group: Trace and function generator
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
-	-	-

r4773[0...16383] Trace 1 trace buffer signal 3

CU_CX32, CU_I, CU_S

Can be changed: -
Data type: Unsigned32
P-Group: Trace and function generator
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
-	-	-

r4774[0...16383] Trace 1 trace buffer signal 4

CU_CX32, CU_I, CU_S

Can be changed: -
Data type: Unsigned32
P-Group: Trace and function generator
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
-	-	-

r4775[0...16383] Trace 1 trace buffer signal 5

CU_CX32, CU_I, CU_S

Can be changed: -
Data type: Unsigned32
P-Group: Trace and function generator
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
-	-	-

r4776[0...16383] Trace 1 trace buffer signal 6

CU_CX32, CU_I, CU_S

Can be changed: -
Data type: Unsigned32
P-Group: Trace and function generator
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
-	-	-

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r4777[0...16383] Trace 1 trace buffer signal 7

CU_CX32, CU_I, CU_S

Can be changed: -
Data type: Unsigned32
P-Group: Trace and function generator
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
-	-	-

p4780[0...1] Trace physical address signal 0

CU_CX32, CU_I, CU_S

Can be changed: U, T
Data type: Unsigned32
P-Group: Trace and function generator
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
0000 bin	1111 1111 1111 1111 1111 1111 1111 1111 bin	0000 bin

p4781[0...1] Trace physical address signal 1

CU_CX32, CU_I, CU_S

Can be changed: U, T
Data type: Unsigned32
P-Group: Trace and function generator
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
0000 bin	1111 1111 1111 1111 1111 1111 1111 1111 bin	0000 bin

p4782[0...1] Trace physical address signal 2

CU_CX32, CU_I, CU_S

Can be changed: U, T
Data type: Unsigned32
P-Group: Trace and function generator
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
0000 bin	1111 1111 1111 1111 1111 1111 1111 1111 bin	0000 bin

p4783[0...1] Trace physical address signal 3

CU_CX32, CU_I, CU_S

Can be changed: U, T
Data type: Unsigned32
P-Group: Trace and function generator
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
0000 bin	1111 1111 1111 1111 1111 1111 1111 1111 bin	0000 bin

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p4784[0...1] Trace physical address signal 4

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
0000 bin	1111 1111 1111 1111 1111 1111 1111 1111 bin	0000 bin

p4785[0...1] Trace physical address signal 5

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
0000 bin	1111 1111 1111 1111 1111 1111 1111 1111 bin	0000 bin

p4786[0...1] Trace physical address signal 6

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
0000 bin	1111 1111 1111 1111 1111 1111 1111 1111 bin	0000 bin

p4787[0...1] Trace physical address signal 7

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
0000 bin	1111 1111 1111 1111 1111 1111 1111 1111 bin	0000 bin

p4789[0...1] Trace physical address trigger signal

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

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r4790[0...1] Trace, data type 5 traced

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4791[0...1] Trace, data type 6 traced

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4792[0...1] Trace, data type 7 traced

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4793[0...1] Trace, data type 8 traced

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

p4795 Trace memory bank changeover

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
0	500	0

r4799 Trace memory location free

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Trace and function generator **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

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p4800 Function generator control

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	3	0

r4805 Function generator status

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	6	-

r4806.0 BO: Function generator status signal

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p4810 Function generator mode

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	99	0

p4812 Function generator physical address

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	4294967295	0

p4813 Function generator physical address reference value

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1.00	1000000.00	1.00

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p4815[0...2] Function generator drive number

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	65535	0

r4818 CO: Function generator output signal

CU_CX32, CU_I, CU_S

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

p4819 BI: Function generator control

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1

p4820 Function generator signal shape

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	5	1

p4821 Function generator period

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	60000.00 [ms]	1000.00 [ms]

p4822 Function generator pulse width

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	60000.00 [ms]	500.00 [ms]

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p4823 Function generator bandwidth

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0025 [Hz]	16000.0000 [Hz]	4000.0000 [Hz]

p4824 Function generator amplitude

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1600.00 [%]	1600.00 [%]	5.00 [%]

p4825 Function generator second amplitude

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1600.00 [%]	1600.00 [%]	7.00 [%]

p4826 Function generator offset

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1600.00 [%]	1600.00 [%]	0.00 [%]

p4827 Function generator ramp-up time to offset

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	100000.00 [ms]	32.00 [ms]

p4828 Function generator lower limit

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-10000.00 [%]	0.00 [%]	-100.00 [%]

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p4829 Function generator upper limit

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [%]	10000.00 [%]	100.00 [%]

p4830 Function generator time slice cycle

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.03125 [ms]	2.00000 [ms]	0.12500 [ms]

p4831 Function generator amplitude scaling

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00000 [%]	200.00000 [%]	100.00000 [%]

p4832[0...2] Function generator amplitude scaling

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-340.28235E36 [%]	340.28235E36 [%]	100.00000 [%]

p4833[0...2] Function generator offset scaling

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Trace and function generator | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-340.28235E36 [%]	340.28235E36 [%]	100.00000 [%]

r4899 Status word sequence control

TM41

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r4950 OA application count

All objects

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: OEM range **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
0	10	-

r4951 OA application identifier, total length

All objects

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: OEM range **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
0	90	-

r4952 OA application GUID, total length

All objects

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: OEM range **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
0	180	-

r4955[0...n] OA application identifier

All objects

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned8 **Dynamic index:** r4951 **Func. diagram:** -
P-Group: OEM range **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

p4956[0...n] OA application activation

All objects

Can be changed: C1, T **Calculated:** - **Access level:** 4
Data type: Integer16 **Dynamic index:** r4950 **Func. diagram:** -
P-Group: OEM range **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
0	1	0

r4957[0...n] OA application version

All objects

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** r4950 **Func. diagram:** -
P-Group: OEM range **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

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r4958[0...n] OA application interface version

All objects

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** r4950 **Func. diagram:** -
P-Group: OEM range **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4959[0...n] OA application GUID

All objects

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned8 **Dynamic index:** r4952 **Func. diagram:** -
P-Group: OEM range **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4960[0...n] OA application GUID drive object

All objects

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned8 **Dynamic index:** r4952 **Func. diagram:** -
P-Group: OEM range **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

p4961[0...n] OA application logbook module selection

All objects

Can be changed: T **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** r4950 **Func. diagram:** -
P-Group: OEM range **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

r4975 OA application invalid count

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: OEM range **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4976 OA application invalid identifier, total length

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: OEM range **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

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r4978[0...n] OA application invalid identifier

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned8 **Dynamic index:** r4976 **Func. diagram:** -
P-Group: OEM range **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r4979[0...n] OA application invalid fault code

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** r4975 **Func. diagram:** -
P-Group: OEM range **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r7000 Par_circuit No. of active power units

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Modulation **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p7001[0...n] Par_circuit power units enable

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Modulation **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	1

r7002[0...n] Par_circuit status power units

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Modulation **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	-

p7003 Par_circuit winding system

VECTOR (Parallel)

Can be changed: C2(2) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

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p7010 Par_circuit current dissymmetry alarm threshold

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Modulation | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
2 [%]	100 [%]	20 [%]

p7011 Par_circuit DC link voltage dissymmetry alarm threshold

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Modulation | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
2 [%]	100 [%]	10 [%]

r7020[0...n] CO: Par_circuit deviation current in phase U

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** PDS, p0120 | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** 6_5 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

r7021[0...n] CO: Par_circuit deviation current in phase V

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** PDS, p0120 | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** 6_5 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

r7022[0...n] CO: Par_circuit deviation current in phase W

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** PDS, p0120 | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** 6_5 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

r7025 CO: Par_circuit max. deviation currents phase U

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** 6_5 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

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r7026 CO: Par_circuit max. deviation currents phase V

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Displays, signals **Units group:** 6_5 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

r7027 CO: Par_circuit max. deviation currents phase W

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Displays, signals **Units group:** 6_5 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

r7030[0...n] CO: Par_circuit DC link voltage deviation

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

r7031 CO: Par_circuit DC link voltage maximum deviation

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

p7035 Infeed par_circuit circulating current control operating mode

A_INF (Parallel), S_INF (Parallel)

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Modulation **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	1

p7035[0...n] Par_circuit circulating current control operating mode

VECTOR (Parallel)

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** DDS, p0180 **Func. diagram:** -
P-Group: Modulation **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	1

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p7036 Infeed par_cct circulating current controller proportional gain

A_INF (Parallel), S_INF (Parallel)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Modulation | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00000 [%]	1000.00000 [%]	100.00000 [%]

p7036[0...n] Par_circuit circulating current control proportional gain

VECTOR (Parallel)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Modulation | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00000 [Ohm]	20.00000 [Ohm]	0.00000 [Ohm]

p7037 Infeed par_cct circulating current control integral time

A_INF (Parallel), S_INF (Parallel)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Modulation | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0 [%]	100000.0 [%]	100.0 [%]

p7037[0...n] Par_circuit circulating current control integral time

VECTOR (Parallel)

Can be changed: U, T | **Calculated:** CALC_MOD_CON | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Modulation | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
2.0	1000.0	4.0

p7038 Infeed par_circuit circulating current control limit

A_INF (Parallel), S_INF (Parallel)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Modulation | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1 [%]	100 [%]	100 [%]

p7038[0...n] Par_circuit circulating current control limit

VECTOR (Parallel)

Can be changed: U, T | **Calculated:** CALC_MOD_ALL | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** DDS, p0180 | **Func. diagram:** -
P-Group: Modulation | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1 [%]	100 [%]	50 [%]

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p7040[0...n] Par_circuit correction valve lockout time phase U

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** PDS, p0120 | **Func. diagram:** -
P-Group: Modulation | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [µs]	1000000.00 [µs]	0.00 [µs]

p7042[0...n] Par_circuit correction valve lockout time phase V

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** PDS, p0120 | **Func. diagram:** -
P-Group: Modulation | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [µs]	1000000.00 [µs]	0.00 [µs]

p7044[0...n] Par_circuit correction valve lockout time phase W

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** PDS, p0120 | **Func. diagram:** -
P-Group: Modulation | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1000000.00 [µs]	1000000.00 [µs]	0.00 [µs]

r7050[0...n] Par_circuit circulating current phase U

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** PDS, p0120 | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** 6_5 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

r7051[0...n] Par_circuit circulating current phase V

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** PDS, p0120 | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** 6_5 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

r7052[0...n] Par_circuit circulating current phase W

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** PDS, p0120 | **Func. diagram:** -
P-Group: Displays, signals | **Units group:** 6_5 | **Unit selection:** p0505
Not for motor type: - | **Scaling:** p2002 | **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

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r7100[0...99] Par_circuit ring buffer fault/alarm code

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r7101[0...99] Par_circuit ring buffer data set number

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r7102[0...99] Par_circuit ring buffer fault/alarm received

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r7103[0...99] Par_circuit ring buffer fault/alarm gone

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r7200[0...n] Par_circuit power unit overload I2T

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r7201[0...n] Par_circuit power unit temperatures max. inverter

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

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r7202[0...n] Par_circuit power unit temperatures max. depletion layer

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r7203[0...n] Par_circuit power unit temperatures max. rectifier

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r7204[0...n] Par_circuit power unit temperatures air intake

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r7205[0...n] Par_circuit power unit temperatures electronics

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r7206[0...n] Par_circuit power unit temperatures inverter 1

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r7207[0...n] Par_circuit power unit temperatures inverter 2

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

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r7208[0...n] Par_circuit power unit temperatures inverter 3

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r7209[0...n] Par_circuit power unit temperatures inverter 4

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r7210[0...n] Par_circuit power unit temperatures inverter 5

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r7211[0...n] Par_circuit power unit temperatures inverter 6

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r7212[0...n] Par_circuit power unit temperatures inverter 1

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r7213[0...n] Par_circuit power unit temperatures inverter 2

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

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r7214[0...n] Par_circuit power unit temperatures depletion layer 1

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r7215[0...n] Par_circuit power unit temperatures depletion layer 2

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r7216[0...n] Par_circuit power unit temperatures depletion layer 3

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r7217[0...n] Par_circuit power unit temperatures depletion layer 4

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r7218[0...n] Par_circuit power unit temperatures depletion layer 5

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r7219[0...n] Par_circuit power unit temperatures depletion layer 6

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

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r7220[0...n] Infeed par_circuit absolute current value motoring permissible

A_INF (Parallel), S_INF (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min - [Arms]
Max - [Arms]
Factory setting - [Arms]

r7220[0...n] CO: Par_circuit drive output current maximum

VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min - [Arms]
Max - [Arms]
Factory setting - [Arms]

r7221[0...n] Infeed par_circuit absolute current regenerating permissible

A_INF (Parallel), S_INF (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min - [Arms]
Max - [Arms]
Factory setting - [Arms]

r7222[0...n] CO: Par_circuit absolute current actual value

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 6_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min - [Arms]
Max - [Arms]
Factory setting - [Arms]

r7223[0...n] CO: Par_circuit phase current actual value phase U

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 6_5 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min - [A]
Max - [A]
Factory setting - [A]

r7224[0...n] CO: Par_circuit phase current actual value phase V

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 6_5 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min - [A]
Max - [A]
Factory setting - [A]

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r7225[0...n] CO: Par_circuit phase current actual value phase W

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 6_5 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

r7226[0...n] CO: Par_circuit phase current actual value phase U offset

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 6_5 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

r7227[0...n] CO: Par_circuit phase current actual value phase V offset

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 6_5 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

r7228[0...n] CO: Par_circuit phase current actual value phase W offset

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 6_5 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

r7229[0...n] CO: Par_circuit phase current actual value sum U, V, W

A_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 6_5 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

r7230[0...n] CO: Par_circuit DC link voltage actual value

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 5_2 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

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r7231[0...n] CO: Par_circuit phase voltage actual value phase U

A_INF, S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 5_3 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

r7231[0...n] CO: Par_circuit phase voltage actual value phase U

A_INF (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 5_3 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

r7232[0...n] CO: Par_circuit phase voltage actual value phase V

A_INF, S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 5_3 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

r7232[0...n] CO: Par_circuit phase voltage actual value phase V

A_INF (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 5_3 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

r7233[0...n] CO: Par_circuit phase voltage actual value phase W

A_INF, S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 5_3 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

r7233[0...n] CO: Par_circuit phase voltage actual value phase W

A_INF (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** 5_3 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

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r7240[0...n] Par_circuit gating unit status word 1

VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned16 **Dynamic index:** PDS, p0120 **Func. diagram:** -
P-Group: Displays, signals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r7250[0...4] Par_circuit power unit rated power

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Converter **Units group:** 14_6 **Unit selection:** p0100
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [kW]	- [kW]	- [kW]

r7251[0...4] Par_circuit power unit rated current

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r7252[0...4] Par_circuit maximum power unit current

A_INF (Parallel), B_INF (Parallel), S_INF (Parallel), VECTOR (Parallel)

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Converter **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [Arms]	- [Arms]	- [Arms]

r7300[0...n] CO: Par_circuit VSM input line voltage u1 - u2

A_INF (Parallel), S_INF (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

r7301[0...n] CO: Par_circuit VSM input line voltage u2 - u3

A_INF (Parallel), S_INF (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

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r7305[0...n] Par_circuit VSM temperature evaluation status

A_INF (Parallel), S_INF (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Terminals **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r7306[0...n] CO: Par_circuit VSM temperature KTY

A_INF (Parallel), S_INF (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** 21_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** TEMP **Expert list:** 1

Min	Max	Factory setting
- [°C]	- [°C]	- [°C]

r7310[0...n] CO: Par_circuit VSM 10 V input CT1 actual value

A_INF (Parallel), S_INF (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

r7311[0...n] CO: Par_circuit VSM 10 V input CT2 actual value

A_INF (Parallel), S_INF (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2002 **Expert list:** 1

Min	Max	Factory setting
- [A]	- [A]	- [A]

r7315[0...n] CO: Par_circuit VSM 10 V input 1 actual value

A_INF (Parallel), S_INF (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

r7316[0...n] CO: Par_circuit VSM 10 V input 2 actual value

A_INF (Parallel), S_INF (Parallel)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** p2001 **Expert list:** 1

Min	Max	Factory setting
- [V]	- [V]	- [V]

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r7320[0...n] Par_circuit VSM line filter capacitance phase U

A_INF (Parallel), S_INF (Parallel)

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [µF]	- [µF]	- [µF]

r7321[0...n] Par_circuit VSM line filter capacitance phase V

A_INF (Parallel), S_INF (Parallel)

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [µF]	- [µF]	- [µF]

r7322[0...n] Par_circuit VSM line filter capacitance phase W

A_INF (Parallel), S_INF (Parallel)

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Closed-loop control **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [µF]	- [µF]	- [µF]

p7820 DRIVE-CLiQ component component number

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 4
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	65535	0

p7821 DRIVE-CLiQ component parameter number

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 4
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	65535	0

p7822 DRIVE-CLiQ component parameter index

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 4
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	65535	0

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r7823 DRIVE-CLiQ component read parameter value

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r7825[0...1] DRIVE-CLiQ component version

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p7826 Firmware update automatic

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	2	1

r7827 Firmware update progress display

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

p7828[0...1] Firmware download component number

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	399	0

p7829 Activate firmware download

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	999	0

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p7830 Diagnostics telegram selection

SERVO, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 4
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	3	0

r7831[0...15] Telegram diagnostics signals

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	10790	-

r7832[0...15] Telegram diagnostics numerical format

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-1	14	-

r7833[0...15] Telegram diagnostics unsigned

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r7834[0...15] Telegram diagnostics signed

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: Integer32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r7835[0...15] Telegram diagnostics real

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r7836[0...15] Telegram diagnostics unit

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-1	147	-

r7843[0...20] CompactFlash card serial number

CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r7844 CompactFlash card software version

CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r7850[0...15] Drive object operational/not operational

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-32786	32767	-

p7852 Number of indices for r7853

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 4
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	200	1

r7853[0...n] Component available/not available

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned16 **Dynamic index:** p7852 **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF hex	-

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p7857 Sub-boot mode

A_INF, B_INF, CU_LINK, HUB, S_INF, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, TM54F_MA, TM54F_SL, VECTOR

Can be changed: U, T
Data type: Integer16
P-Group: -
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	1	1

p7859[0...199] Component number global

CU_CX32, CU_I, CU_S

Can be changed: U, T
Data type: Integer16
P-Group: -
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
-32786	32767	0

r7867 Status/configuration changes global

CU_CX32, CU_I, CU_S

Can be changed: -
Data type: Unsigned32
P-Group: -
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r7868[0...16] Configuration changes drive object reference

CU_CX32, CU_I, CU_S

Can be changed: -
Data type: Unsigned32
P-Group: -
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r7869[0...16] Status changes drive object reference

CU_CX32, CU_I, CU_S

Can be changed: -
Data type: Unsigned32
P-Group: -
Not for motor type: -
Calculated: -
Dynamic index: -
Units group: -
Scaling: -
Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

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r7870[0...7] Configuration changes global

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r7871[0...9] Configuration changes drive object

A_INF, B_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r7871[0...9] Configuration changes drive object

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r7871[0...9] Configuration changes drive object

CU_LINK, HUB, TB30, TM15, TM15DI_DO, TM17, TM31, TM41

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r7871[0...15] Configuration changes drive object

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r7871[0...9] Configuration changes drive object

TM54F_MA, TM54F_SL

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r7872[0...3] Status changes drive object

All objects

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p7900[0...15] Drive objects priority

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 4
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	65535	0

r7901[0...33] Time slice cycle times

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [µs]	- [µs]	- [µs]

r7903 Hardware sampling times still assignable

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p8500[0...7] BI: Data transfer 0 bitwise

CU_CX32, CU_LINK

Can be changed: U, T **Calculated:** - **Access level:** 2
Data type: Unsigned32 / Binary **Dynamic index:** - **Func. diagram:** 2211
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0

p8500[0...7] BI: Data transfer 0 bitwise

CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 2
Data type: Unsigned32 / Binary **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p8501[0...15] BI: Data transfer 1 bitwise

CU_CX32

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 2211
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	[0] 722.0
		[1] 722.1
		[2] 722.2
		[3] 722.3
		[4] 0
		[5] 0
		[6] 0
		[7] 0
		[8] 722.8
		[9] 722.9
		[10] 722.10
		[11] 722.11
		[12] 0
		[13] 0
		[14] 0
		[15] 0

p8501[0...15] BI: Data transfer 1 bitwise

CU_I, CU_S

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

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p8501[0...15] BI: Data transfer 1 bitwise

CU_LINK

Can be changed: U, T
Data type: Unsigned32 / Binary
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 2211
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	[0] 722.0 [1] 722.1 [2] 722.2 [3] 722.3 [4] 722.4 [5] 722.5 [6] 722.6 [7] 722.7 [8] 722.8 [9] 722.9 [10] 722.10 [11] 722.11 [12] 722.12 [13] 722.13 [14] 722.14 [15] 722.15

p8502 CI: Data transfer 0 wordwise

CU_CX32, CU_LINK

Can be changed: U, T
Data type: Unsigned32 / FloatingPoint32
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 2211
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p8502 CI: Data transfer 0 wordwise

CU_I, CU_S

Can be changed: U, T
Data type: Unsigned32 / Integer32
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: PERCENT

Access level: 2
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p8503 CI: Data transfer 1 wordwise

CU_CX32, CU_LINK

Can be changed: U, T
Data type: Unsigned32 / FloatingPoint32
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 2
Func. diagram: 2211
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

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p8503 **CI: Data transfer 1 wordwise**

CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / Integer32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p8504 **CI: Data transfer 2 wordwise**

CU_CX32, CU_LINK

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2211
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p8504 **CI: Data transfer 2 wordwise**

CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / Integer32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p8505 **CI: Data transfer 3 wordwise**

CU_CX32, CU_LINK

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2211
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p8505 **CI: Data transfer 3 wordwise**

CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 / Integer32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** PERCENT | **Expert list:** 1

Min	Max	Factory setting
-	-	0

r8510.0...7 **BO: Data transfer 0 receive bitwise**

CU_CX32, CU_LINK

Can be changed: - | **Calculated:** - | **Access level:** 2
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 2211
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r8510.0...7 BO: Data transfer 0 receive bitwise

CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8511.0...15 BO: Data transfer 1 receive bitwise

CU_CX32, CU_LINK

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8511.0...15 BO: Data transfer 1 receive bitwise

CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8512 CO: Data transfer 0 receive wordwise

CU_CX32, CU_LINK

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 2211
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8512 CO: Data transfer 0 receive wordwise

CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r8513 CO: Data transfer 1 receive wordwise

CU_CX32, CU_LINK

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 2211
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r8513 **CO: Data transfer 1 receive wordwise**

CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r8514 **CO: Data transfer 2 receive wordwise**

CU_CX32, CU_LINK

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 2211
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8514 **CO: Data transfer 2 receive wordwise**

CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r8515 **CO: Data transfer 3 receive wordwise**

CU_CX32, CU_LINK

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 2211
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8515 **CO: Data transfer 3 receive wordwise**

CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** PERCENT **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

p8520[0...3] **CU_LINK signal value scaling**

CU_CX32, CU_LINK

Can be changed: U, T **Calculated:** - **Access level:** 2
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 2211
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00010	10000.00000	1.00000

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p8550 AOP LOCAL/REMOTE

CU_CX32, CU_I, CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	1001 bin

r8570[0...39] Macro drive object

A_INF, B_INF, S_INF, SERVO, TM15DI_DO, TM31, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
-	-	-

r8570[0...39] Macro drive unit

CU_S

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
-	-	-

r8571[0...39] Macro Binector Input (BI)

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
-	-	-

r8572[0...39] Macro Connector Inputs (CI) for speed setpoints

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
-	-	-

r8573[0...39] Macro Connector Inputs (CI) for torque setpoints

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 1
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
-	-	-

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r8585 Current macro actual

A_INF, B_INF, CU_CX32, CU_I, CU_S, S_INF, SERVO, TM15DI_DO, TM31, VECTOR

Can be changed: -
Data type: Unsigned16
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 1
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
-	-	-

r8600 CBC Device Type

CU_S (CAN)

Can be changed: -
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r8601 CBC Error Register

CU_S (CAN)

Can be changed: -
Data type: Unsigned8
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p8602 CBC SYNC object

CU_S (CAN)

Can be changed: C1(1), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0080 hex

p8603 CBC COB ID Emergency Message

CU_S (CAN)

Can be changed: C1(1), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p8604[0...1] CBC Node Guarding

CU_S (CAN)

Can be changed: T
Data type: Unsigned16
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	65535	0

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p8606 CBC Producer Heartbeat Time

CU_S (CAN)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0 [ms]	65535 [ms]	0 [ms]

r8607[0...3] CBC Identity Object

CU_S (CAN)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p8608 CBC Clear Bus Off Error

CU_S (CAN)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

p8609[0...1] CBC Error Behaviour

CU_S (CAN)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	2	1

r8610[0...1] CBC First Server SDO

CU_S (CAN)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p8611[0...82] CBC Pre-defined Error Field

CU_S (CAN)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF 1000 hex	0000 hex

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p8620 CBC node ID

CU_S (CAN)

Can be changed: T | **Calculated:** - | **Access level:** 2
Data type: Unsigned8 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	126	126

p8622 CBC baud rate

CU_S (CAN)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	7	6

p8623[0...7] CBC Bit Timing selection

CU_S (CAN)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 hex	000F 7FFF hex	[0] 1405 hex [1] 1605 hex [2] 1C05 hex [3] 1C0B hex [4] 1C17 hex [5] 1C3B hex [6] 0002 1C15 hex [7] 0004 1C2B hex

p8630[0...2] CBC virtual objects

CU_S (CAN)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	65535	0

p8641 CBC Abort Connection Option Code

SERVO (CAN), VECTOR (CAN)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	3	3

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r8680[0...36] CBC Diagnosis Hardware

CU_S (CAN)

Can be changed: -
Data type: Unsigned16
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p8684 CBC NMT state after booting

CU_S (CAN)

Can be changed: T
Data type: Integer16
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
4	127	127

p8685 CBC NMT states

CU_S (CAN)

Can be changed: C1(1), U, T
Data type: Integer16
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0	129	127

p8700[0...1] CBC Receive PDO 1

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9204, 9206
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	8000 06DF hex	[0] 8000 06DF hex [1] 00FE hex

p8701[0...1] CBC Receive PDO 2

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9204, 9206
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	8000 06DF hex	[0] 8000 06DF hex [1] 00FE hex

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p8702[0...1] CBC Receive PDO 3

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9204, 9206
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	8000 06DF hex	[0] 8000 06DF hex [1] 00FE hex

p8703[0...1] CBC Receive PDO 4

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9204, 9206
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	8000 06DF hex	[0] 8000 06DF hex [1] 00FE hex

p8704[0...1] CBC Receive PDO 5

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9204
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	8000 06DF hex	[0] 8000 06DF hex [1] 00FE hex

p8705[0...1] CBC Receive PDO 6

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9204
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	8000 06DF hex	[0] 8000 06DF hex [1] 00FE hex

p8706[0...1] CBC Receive PDO 7

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9204
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	8000 06DF hex	[0] 8000 06DF hex [1] 00FE hex

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p8707[0...1] CBC Receive PDO 8

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 9204
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 hex	8000 06DF hex	[0] 8000 06DF hex [1] 00FE hex

p8710[0...3] CBC receive mapping for RPDO 1

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 9204, 9206
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p8711[0...3] CBC receive mapping for RPDO 2

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 9204, 9206
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p8712[0...3] CBC receive mapping for RPDO 3

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 9204, 9206
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p8713[0...3] CBC receive mapping for RPDO 4

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 9204, 9206
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p8714[0...3] CBC receive mapping for RPDO 5

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 9204
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

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p8715[0...3] CBC receive mapping for RPDO 6

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9204
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p8716[0...3] CBC receive mapping for RPDO 7

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9204
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p8717[0...3] CBC receive mapping for RPDO 8

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9204
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p8720[0...4] CBC Transmit PDO 1

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9208, 9210
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	C000 06DF hex	[0] C000 06DF hex [1] 00FE hex [2] 0000 hex [3] 0000 hex [4] 0000 hex

p8721[0...4] CBC Transmit PDO 2

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9208, 9210
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	C000 06DF hex	[0] C000 06DF hex [1] 00FE hex [2] 0000 hex [3] 0000 hex [4] 0000 hex

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p8722[0...4] CBC Transmit PDO 3

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9208, 9210
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	C000 06DF hex	[0] C000 06DF hex [1] 00FE hex [2] 0000 hex [3] 0000 hex [4] 0000 hex

p8723[0...4] CBC Transmit PDO 4

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9208, 9210
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	C000 06DF hex	[0] C000 06DF hex [1] 00FE hex [2] 0000 hex [3] 0000 hex [4] 0000 hex

p8724[0...4] CBC Transmit PDO 5

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9208
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	C000 06DF hex	[0] C000 06DF hex [1] 00FE hex [2] 0000 hex [3] 0000 hex [4] 0000 hex

p8725[0...4] CBC Transmit PDO 6

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9208
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	C000 06DF hex	[0] C000 06DF hex [1] 00FE hex [2] 0000 hex [3] 0000 hex [4] 0000 hex

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p8726[0...4] CBC Transmit PDO 7

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9208
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	C000 06DF hex	[0] C000 06DF hex [1] 00FE hex [2] 0000 hex [3] 0000 hex [4] 0000 hex

p8727[0...4] CBC Transmit PDO 8

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9208
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	C000 06DF hex	[0] C000 06DF hex [1] 00FE hex [2] 0000 hex [3] 0000 hex [4] 0000 hex

p8730[0...3] CBC send mapping for TPDO 1

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9208, 9210
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p8731[0...3] CBC send mapping for TPDO 2

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9208, 9210
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p8732[0...3] CBC send mapping for TPDO 3

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Data type: Unsigned32
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 9208, 9210
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

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p8733[0...3] CBC send mapping for TPDO 4

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Calculated: -
Access level: 3
Data type: Unsigned32
Dynamic index: -
Func. diagram: 9208, 9210
P-Group: Communications
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p8734[0...3] CBC send mapping for TPDO 5

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Calculated: -
Access level: 3
Data type: Unsigned32
Dynamic index: -
Func. diagram: 9208
P-Group: Communications
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p8735[0...3] CBC send mapping for TPDO 6

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Calculated: -
Access level: 3
Data type: Unsigned32
Dynamic index: -
Func. diagram: 9208
P-Group: Communications
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p8736[0...3] CBC send mapping for TPDO 7

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Calculated: -
Access level: 3
Data type: Unsigned32
Dynamic index: -
Func. diagram: 9208
P-Group: Communications
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p8737[0...3] CBC send mapping for TPDO 8

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Calculated: -
Access level: 3
Data type: Unsigned32
Dynamic index: -
Func. diagram: 9208
P-Group: Communications
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p8740[0...23] CBC channel assignment

CU_S (CAN)

Can be changed: T
Calculated: -
Access level: 3
Data type: Unsigned16
Dynamic index: -
Func. diagram: -
P-Group: -
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	8	0

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p8741 CBC PDO configuration acknowledgement

CU_S (CAN)

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

r8742 CBC number of free RPDO channels

CU_S (CAN)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8743[0...7] CBC assignment drive ID

CU_S (CAN)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p8744 CBC PDO mapping configuration

SERVO (CAN), VECTOR (CAN)

Can be changed: C2, T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** 9204, 9206, 9208, 9210
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	2	2

r8750[0...15] CBC mapped 16-bit receive objects

SERVO (CAN), VECTOR (CAN)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8751[0...15] CBC mapped 16-bit transmit objects

SERVO (CAN), VECTOR (CAN)

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r8760[0...14] CBC mapped 32-bit receive objects

SERVO (CAN), VECTOR (CAN)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8761[0...14] CBC mapped 32-bit transmit objects

SERVO (CAN), VECTOR (CAN)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8784 CO: CBC status word

SERVO (CAN), VECTOR (CAN)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 8010
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p8785 BI: CBC status word bit 8

SERVO (CAN), VECTOR (CAN)

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / Binary **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0

p8786 BI: CBC status word bit 14

SERVO (CAN), VECTOR (CAN)

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / Binary **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0

p8787 BI: CBC status word bit 15

SERVO (CAN), VECTOR (CAN)

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / Binary **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p8790 CBC control word - auto interconnection

SERVO (CAN), VECTOR (CAN)

Can be changed: C1(3), T
Calculated: -
Access level: 3
Data type: Integer16
Dynamic index: -
Func. diagram: -
P-Group: Communications
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	1	0

r8795 CBC control word

SERVO (CAN), VECTOR (CAN)

Can be changed: -
Calculated: -
Access level: 3
Data type: Unsigned16
Dynamic index: -
Func. diagram: -
P-Group: -
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r8796 CBC Target Velocity

SERVO (CAN), VECTOR (CAN)

Can be changed: -
Calculated: -
Access level: 3
Data type: Integer32
Dynamic index: -
Func. diagram: -
P-Group: -
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r8797 CBC Target Torque

SERVO (CAN), VECTOR (CAN)

Can be changed: -
Calculated: -
Access level: 3
Data type: Integer16
Dynamic index: -
Func. diagram: -
P-Group: -
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p8798[0...1] CBC speed conversion factor

SERVO (CAN), VECTOR (CAN)

Can be changed: T
Calculated: -
Access level: 3
Data type: Unsigned32
Dynamic index: -
Func. diagram: -
P-Group: -
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
1	4294967295	1

p8835 CBE20 firmware selection

CU_S (PROFINET), CU_S

Can be changed: C1(1)
Calculated: -
Access level: 3
Data type: Integer16
Dynamic index: -
Func. diagram: -
P-Group: Communications
Units group: -
Unit selection: -
Not for motor type: -
Scaling: -
Expert list: 1

Min	Max	Factory setting
0	99	1

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p8839[0...1] PZD interface hardware assignment

CU_S

Can be changed: C1(1) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	99	99

p8840 COMM BOARD monitoring time

CU_S (COMM BOARD, PROFINET), CU_S

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0 [ms]	65535000 [ms]	20 [ms]

p8841[0...39] COMM BOARD send configuration data

CU_S (COMM BOARD, PROFINET), CU_S

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	65535	0

p8842 COMM BOARD start configuration

CU_S (COMM BOARD, PROFINET), CU_S

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

p8848 IF2 PZD sampling time

CU_CX32, CU_I, CU_S

Can be changed: C1(3) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1.00 [ms]	16.00 [ms]	4.00 [ms]

r8849[0...139] COMM BOARD receive configuration data

CU_S (COMM BOARD, PROFINET), CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r8850[0...4] CO: IF2 PZD receive word

A_INF, B_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** 2491
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** 4000H **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8850[0...15] CO: IF2 PZD receive word

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** 2485, 9204, 9206
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** 4000H **Expert list:** 1

Min	Max	Factory setting
-	-	-

p8851[0...7] CI: IF2 PZD send word

A_INF, B_INF, S_INF

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / Integer16 **Dynamic index:** - **Func. diagram:** 2493, 9210
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** 4000H **Expert list:** 1

Min	Max	Factory setting
-	-	0

p8851[0...15] CI: IF2 PZD send word

SERVO, VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / Integer16 **Dynamic index:** - **Func. diagram:** 2487, 9208
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** 4000H **Expert list:** 1

Min	Max	Factory setting
-	-	0

r8853[0...7] IF2 diagnostics PZD send

A_INF, B_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2493
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8853[0...15] IF2 diagnostics PZD send

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2487, 9208, 9210
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r8854 COMM BOARD state

CU_S (COMM BOARD, PROFINET), CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	255	-

r8858[0...39] COMM BOARD read diagnostics channel

CU_S (COMM BOARD, PROFINET), CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8859[0...7] COMM BOARD identification Data

CU_S (COMM BOARD, PROFINET), CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8860[0...14] CO: IF2 PZD receive double word

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer32 **Dynamic index:** - **Func. diagram:** 2485, 9204, 9206
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** 4000H **Expert list:** 1

Min	Max	Factory setting
-	-	-

p8861[0...14] CI: IF2 PZD send double word

SERVO, VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned32 / Integer32 **Dynamic index:** - **Func. diagram:** 2487, 9208, 9210
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** 4000H **Expert list:** 1

Min	Max	Factory setting
-	-	0

r8863[0...14] IF2 diagnostics PZD send double word

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2487
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r8874[0...4] IF2 diagnostics bus address PZD receive

A_INF, B_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8874[0...15] IF2 diagnostics bus address PZD receive

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8875[0...4] IF2 diagnostics telegram offset PZD receive

A_INF, B_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8875[0...15] IF2 diagnostics telegram offset PZD receive

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8876[0...7] IF2 diagnostics telegram offset PZD send

A_INF, B_INF, S_INF

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8876[0...15] IF2 diagnostics telegram offset PZD send

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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p8880[0...15] BI: IF2 binector-connector converter status word 1

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2489
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p8881[0...15] BI: IF2 binector-connector converter status word 2

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2489
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p8882[0...15] BI: IF2 binector-connector converter status word 3

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2489
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p8883[0...15] BI: IF2 binector-connector converter status word 4

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2489
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p8884[0...15] BI: IF2 binector-connector converter status word 5

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2489
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p8888[0...4] IF2 invert binector-connector converter status word

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** 2489
P-Group: Communications | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

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r8889[0...4] CO: IF2 send binector-connector converter status word

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8890.0...15 BO: IF2 PZD1 receive bit-serial

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2485, 2491, 9204, 9206
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8891.0...15 BO: IF2 PZD2 receive bit-serial

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2485, 2491, 9204, 9206
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8892.0...15 BO: IF2 PZD3 receive bit-serial

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2485, 9204, 9206
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r8893.0...15 BO: IF2 PZD4 receive bit-serial

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2485, 9204, 9206
P-Group: Communications **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r8894.0...15 BO: IF2 connector-binector converter binector output

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: -
Data type: Unsigned16
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 2485, 2491
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r8895.0...15 BO: IF2 connector-binector converter binector output

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: -
Data type: Unsigned16
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 2485, 2491
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p8898[0...1] IF2 invert connector-binector converter binector output

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: U, T
Data type: Unsigned16
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 2485, 2491
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

p8899[0...1] CI: IF2 connector-binector converter signal source

A_INF, B_INF, S_INF, SERVO, VECTOR

Can be changed: U, T
Data type: Unsigned32 / Integer16
P-Group: Communications
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 2485, 2491
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0

p9300 SI Motion monitoring clock cycle (Motor Module)

SERVO, VECTOR

Can be changed: C2(95)
Data type: FloatingPoint32
P-Group: Safety Integrated
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
500.00 [µs]	25000.00 [µs]	12000.00 [µs]

p9301 SI Motion enable safety functions (Motor Module)

SERVO, VECTOR

Can be changed: C2(95)
Data type: Unsigned32
P-Group: Safety Integrated
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	0000 bin

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p9302 SI Motion axis type (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

p9311 SI Motion clock cycle actual value sensing (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	25000.00 [µs]	0.00 [µs]

p9315 SI Motion coarse position value configuration (MM)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p9316 SI Motion encoder configuration, safety functions (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p9317 SI Motion linear scale grid division (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [nm]	250000000.00 [nm]	10000.00 [nm]

p9318 SI Motion encoder pulses per revolution (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	100000	2048

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p9319 SI Motion fine resolution G1_XIST1 (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
2	18	11

p9320 SI Motion spindle pitch (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.1000 [mm]	8388.0000 [mm]	10.0000 [mm]

p9321[0...7] SI Motion gearbox encoder/load denominator (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	2147000000	1

p9322[0...7] SI Motion gearbox encoder/load numerator (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	2147000000	1

p9323 SI Motion redundant coarse pos. value valid bits (MM)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	16	9

p9324 SI Motion redundant coarse pos. value fine resolution bits (MM)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-16	16	-2

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p9325 SI Motion redundant coarse pos. value relevant bits (MM)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	16	16

p9326 SI Motion encoder assignment (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	3	1

p9328[0...11] SI Motion Sensor Module Node Identifier (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	00FF hex	0000 hex

p9329 SI Motion Gx_XIST1 safe most significant bit (MM)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	31	14

p9330 SI Motion standstill tolerance (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.000 [mm]	100.000 [mm]	1.000 [mm]

p9330 SI Motion standstill tolerance (Motor Module)

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.000 [°]	100.000 [°]	1.000 [°]

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p9331[0...3] SI Motion SLS limit values (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [mm/min]	1000000.00 [mm/min]	2000.00 [mm/min]

p9331[0...3] SI Motion SLS limit values (Motor Module)

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	1000000.00 [rpm]	2000.00 [rpm]

p9342 SI Motion act val comparison tol (crosswise) (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.0010 [mm]	360.0000 [mm]	0.1000 [mm]

p9342 SI Motion act val comparison tol (crosswise) (Motor Module)

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.0010 [°]	360.0000 [°]	0.1000 [°]

p9345 SI Motion SSM filter time (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	100000.00 [µs]	0.00 [µs]

p9346 SI Motion SSM velocity limit (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [mm/min]	1000000.00 [mm/min]	20.00 [mm/min]

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p9346 SI Motion SSM velocity limit (Motor Module)

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	1000000.00 [rpm]	20.00 [rpm]

p9347 SI Motion SSM velocity hysteresis (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0010 [mm/min]	500.0000 [mm/min]	10.0000 [mm/min]

p9347 SI Motion SSM velocity hysteresis (Motor Module)

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0010 [rpm]	500.0000 [rpm]	10.0000 [rpm]

p9348 SI Motion SBR actual velocity tolerance (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [mm/min]	120000.00 [mm/min]	300.00 [mm/min]

p9348 SI Motion SBR actual velocity tolerance (Motor Module)

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	120000.00 [rpm]	300.00 [rpm]

p9349 SI Motion slip velocity tolerance (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [mm/min]	6000.00 [mm/min]	6.00 [mm/min]

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p9349 SI Motion slip velocity tolerance (Motor Module)

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	6000.00 [rpm]	6.00 [rpm]

p9351 SI Motion SLS changeover delay time (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 2825
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	600000000.00 [µs]	100000.00 [µs]

p9352 SI Motion transition time STOP C to SOS (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 2825
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	600000000.00 [µs]	100000.00 [µs]

p9353 SI Motion transition time STOP D to SOS (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 2825
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	600000000.00 [µs]	100000.00 [µs]

p9355 SI Motion transition time STOP F to STOP B (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 2825
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	600000000.00 [µs]	0.00 [µs]

p9356 SI Motion pulse suppression delay time (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 2825
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	600000000.00 [µs]	100000.00 [µs]

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p9357 SI Motion pulse suppression test time (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	10000000.00 [µs]	100000.00 [µs]

p9358 SI Motion acceptance test mode time limit (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
5000000.00 [µs]	100000000.00 [µs]	40000000.00 [µs]

p9360 SI Motion pulse suppression shutdown velocity (Motor Module)

SERVO, SERVO (Lin), VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [mm/min]	6000.00 [mm/min]	0.00 [mm/min]

p9360 SI Motion pulse suppression shutdown speed (Motor Module)

SERVO (Lin, Safety rot), VECTOR (Safety rot)

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	6000.00 [rpm]	0.00 [rpm]

p9363[0...3] SI Motion SLS stop response (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	14	2

p9370 SI Motion acceptance test mode (Motor Module)

SERVO, VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	00AC hex	0000 hex

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r9371 SI Motion acceptance test status (Motor Module)

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	00AC hex	-

p9380 SI Motion pulse suppression delay bus failure (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	800000.00 [µs]	0.00 [µs]

r9390[0...3] SI Motion version safety motion monitoring (Motor Module)

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9398[0...1] SI Motion actual checksum SI parameters (Motor Module)

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p9399[0...1] SI Motion reference checksum SI parameters (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

r9406[0...19] PS file parameter number parameter not transferred

All objects

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r9407[0...19] PS file parameter index parameter not transferred

All objects

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9408[0...19] PS file fault code parameter not transferred

All objects

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9409 Number of parameters to be saved

All objects

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9450[0...29] Reference value change parameter with unsuccessful calculation

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9451[0...29] Units changeover adapted parameters

A_INF, B_INF, S_INF, SERVO, TM41, VECTOR

Can be changed: - **Calculated:** - **Access level:** 1
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r9481 Number of BICO interconnections

A_INF, B_INF, CU_CX32, CU_I, CU_LINK, CU_S, S_INF, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, TM54F_MA, TM54F_SL, VECTOR

Can be changed: -
Data type: Unsigned16
P-Group: Commands
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
-	-	-

r9482[0...59] BICO interconnections BI/CI parameters

A_INF, B_INF, CU_CX32, CU_I, CU_LINK, CU_S, S_INF, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, TM54F_MA, TM54F_SL, VECTOR

Can be changed: -
Data type: Unsigned32
P-Group: Commands
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
-	-	-

r9483[0...59] BICO interconnections BO/CO parameters

A_INF, B_INF, CU_CX32, CU_I, CU_LINK, CU_S, S_INF, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, TM54F_MA, TM54F_SL, VECTOR

Can be changed: -
Data type: Unsigned32
P-Group: Commands
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
-	-	-

p9484 BICO interconnections search signal source

A_INF, B_INF, CU_CX32, CU_I, CU_LINK, CU_S, S_INF, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, TM54F_MA, TM54F_SL, VECTOR

Can be changed: T
Data type: Unsigned32
P-Group: -
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 0

Min	Max	Factory setting
0	4294967295	0

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r9485 BICO interconnections signal source search count

A_INF, B_INF, CU_CX32, CU_I, CU_LINK, CU_S, S_INF, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, TM54F_MA, TM54F_SL, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r9486 BICO interconnections signal source search first index

A_INF, B_INF, CU_CX32, CU_I, CU_LINK, CU_S, S_INF, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, TM54F_MA, TM54F_SL, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r9490 Number of BICO interconnections to other drives

All objects

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9491[0...9] BI/CI of BICO interconnections to other drives

All objects

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9492[0...9] BO/CO of BICO interconnections to other drives

All objects

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Commands **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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p9493[0...9] Reset BICO interconnections to other drives

All objects

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	15	15

p9495 BICO behavior to de-activated drive objects

A_INF, B_INF, CU_CX32, CU_I, CU_LINK, CU_S, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	2	0

p9496 Restore BICO to the drive objects that are now activated

A_INF, B_INF, CU_CX32, CU_I, CU_LINK, CU_S, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	2	0

p9497 BICO number of interconnections to de-activated drive objects

A_INF, B_INF, CU_CX32, CU_I, CU_LINK, CU_S, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	65535	0

p9498[0...29] BICO BI/CI parameters to de-activated drive objects

A_INF, B_INF, CU_CX32, CU_I, CU_LINK, CU_S, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p9499[0...29] BICO BO/CO parameters to de-activated drive objects

A_INF, B_INF, CU_CX32, CU_I, CU_LINK, CU_S, SERVO, TB30, TM15, TM15DI_DO, TM17, TM31, TM41, VECTOR

Can be changed: T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Commands | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

p9500 SI Motion monitoring clock cycle (Control Unit)

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.50 [ms]	25.00 [ms]	12.00 [ms]

p9500 SI Motion monitoring clock cycle (Control Unit)

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.50 [ms]	25.00 [ms]	12.00 [ms]

p9501 SI Motion enable safety functions (Control Unit)

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p9501 SI Motion enable safety functions (Control Unit)

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p9502 SI Motion axis type (Control Unit)

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

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p9502 **SI Motion axis type (Control Unit)**

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

p9503 **SI Motion SCA (SN) enable (Control Unit)**

SERVO

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p9503 **SI Motion SCA (SN) enable (Control Unit)**

SERVO, VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p9505 **SI Motion SCA (SN) modulo value (Control Unit)**

SERVO

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0 [°]	737280 [°]	0 [°]

p9505 **SI Motion SCA (SN) modulo value (Control Unit)**

SERVO, VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0 [°]	737280 [°]	0 [°]

p9510 **SI Motion clock-cycle synchronous PROFIBUS master**

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 4
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

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p9511 SI Motion clock cycle actual value sensing (Control Unit)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	25.00 [ms]	0.00 [ms]

p9515 SI Motion coarse position value configuration (CU)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p9516 SI Motion motor encoder config., safety-relevant functions (CU)

SERVO

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p9516 SI Motion motor encoder config., safety-relevant functions (CU)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p9517 SI Motion linear scale grid division (Control Unit)

SERVO

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [nm]	250000000.00 [nm]	10000.00 [nm]

p9517 SI Motion linear scale grid division (Control Unit)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [nm]	250000000.00 [nm]	10000.00 [nm]

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p9518 **SI Motion encoder pulses per revolution (Control Unit)**

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	100000	2048

p9518 **SI Motion encoder pulses per revolution (Control Unit)**

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	100000	2048

p9519 **SI Motion fine resolution G1_XIST1 (Control Unit)**

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
2	18	11

p9519 **SI Motion fine resolution G1_XIST1 (Control Unit)**

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
2	18	11

p9520 **SI Motion spindle pitch (Control Unit)**

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.1000 [mm]	8388.0000 [mm]	10.0000 [mm]

p9520 **SI Motion spindle pitch (Control Unit)**

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.1000 [mm]	8388.0000 [mm]	10.0000 [mm]

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p9521[0...7] SI Motion gearbox encoder/load denominator (Control Unit)

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	2147000000	1

p9521[0...7] SI Motion gearbox encoder/load denominator (Control Unit)

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	2147000000	1

p9522[0...7] SI Motion gearbox encoder/load numerator (Control Unit)

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	2147000000	1

p9522[0...7] SI Motion gearbox encoder/load numerator (Control Unit)

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1	2147000000	1

p9523 SI Motion redundant coarse pos. value valid bits (CU)

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	16	9

p9524 SI Motion Redundant coarse pos. value fine resolution bits (CU)

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-16	16	-2

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p9525 SI Motion redundant coarse pos. value relevant bits (CU)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	16	16

p9526 SI Motion encoder assignment second channel

SERVO

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	3	1

p9526 SI Motion encoder assignment second channel

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	3	1

p9529 SI Motion Gx_XIST1 Safe most significant bit (CU)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	31	14

p9530 SI Motion standstill tolerance (Control Unit)

SERVO

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.000 [mm]	100.000 [mm]	1.000 [mm]

p9530 SI Motion standstill tolerance (Control Unit)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.000 [mm]	100.000 [mm]	1.000 [mm]

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p9530 **SI Motion standstill tolerance (Control Unit)**

SERVO (Safety rot)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [°]	100.000 [°]	1.000 [°]

p9530 **SI Motion standstill tolerance (Control Unit)**

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [°]	100.000 [°]	1.000 [°]

p9531[0...3] **SI Motion SLS (SG) limit values (Control Unit)**

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [mm/min]	1000000.00 [mm/min]	2000.00 [mm/min]

p9531[0...3] **SI Motion SLS (SG) limit values (Control Unit)**

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [mm/min]	1000000.00 [mm/min]	2000.00 [mm/min]

p9531[0...3] **SI Motion SLS (SG) limit values (Control Unit)**

SERVO (Safety rot)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	1000000.00 [rpm]	2000.00 [rpm]

p9531[0...3] **SI Motion SLS (SG) limit values (Control Unit)**

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	1000000.00 [rpm]	2000.00 [rpm]

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p9532[0...15] SI Motion SLS (SG) override factor (Control Unit)

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [%]	100.000 [%]	100.000 [%]

p9532[0...15] SI Motion SLS (SG) override factor (Control Unit)

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [%]	100.000 [%]	100.000 [%]

p9533 SI Motion SLS setpoint velocity limiting (Control Unit)

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.000 [%]	100.000 [%]	80.000 [%]

p9534[0...1] SI Motion SLP (SE) upper limit values (Control Unit)

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147000.000 [mm]	2147000.000 [mm]	100000.000 [mm]

p9534[0...1] SI Motion SLP (SE) upper limit values (Control Unit)

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147000.000 [mm]	2147000.000 [mm]	100000.000 [mm]

p9534[0...1] SI Motion SLP (SE) upper limit values (Control Unit)

SERVO (Safety rot)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147000.000 [°]	2147000.000 [°]	100000.000 [°]

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p9534[0...1] SI Motion SLP (SE) upper limit values (Control Unit)

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147000.000 [°]	2147000.000 [°]	100000.000 [°]

p9535[0...1] SI Motion SLP (SE) lower limit values (Control Unit)

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147000.000 [mm]	2147000.000 [mm]	-100000.000 [mm]

p9535[0...1] SI Motion SLP (SE) lower limit values (Control Unit)

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147000.000 [mm]	2147000.000 [mm]	-100000.000 [mm]

p9535[0...1] SI Motion SLP (SE) lower limit values (Control Unit)

SERVO (Safety rot)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147000.000 [°]	2147000.000 [°]	-100000.000 [°]

p9535[0...1] SI Motion SLP (SE) lower limit values (Control Unit)

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147000.000 [°]	2147000.000 [°]	-100000.000 [°]

p9536[0...29] SI Motion SCA (SN) plus cam position (Control Unit)

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147000.000 [mm]	2147000.000 [mm]	10.000 [mm]

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p9536[0...29] SI Motion SCA (SN) plus cam position (Control Unit)

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147000.000 [mm]	2147000.000 [mm]	10.000 [mm]

p9536[0...29] SI Motion SCA (SN) plus cam position (Control Unit)

SERVO (Safety rot)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147000.000 [°]	2147000.000 [°]	10.000 [°]

p9536[0...29] SI Motion SCA (SN) plus cam position (Control Unit)

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147000.000 [°]	2147000.000 [°]	10.000 [°]

p9537[0...29] SI Motion SCA (SN) plus cam position (Control Unit)

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147000.000 [mm]	2147000.000 [mm]	-10.000 [mm]

p9537[0...29] SI Motion SCA (SN) plus cam position (Control Unit)

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147000.000 [mm]	2147000.000 [mm]	-10.000 [mm]

p9537[0...29] SI Motion SCA (SN) plus cam position (Control Unit)

SERVO (Safety rot)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-2147000.000 [°]	2147000.000 [°]	-10.000 [°]

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p9537[0...29] SI Motion SCA (SN) plus cam position (Control Unit)

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Safety Integrated
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-2147000.000 [°]	2147000.000 [°]	-10.000 [°]

p9538[0...29] SI Motion SCA (SN) cam track assignment (Control Unit)

SERVO

Can be changed: U, T
Data type: Unsigned32
P-Group: Safety Integrated
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
100	414	[0] 100 [1] 101 [2] 102 [3] 103 [4] 104 [5] 105 [6] 106 [7] 107 [8] 108 [9] 109 [10] 110 [11] 111 [12] 112 [13] 113 [14] 114 [15] 200 [16] 201 [17] 202 [18] 203 [19] 204 [20] 205 [21] 206 [22] 207 [23] 208 [24] 209 [25] 210 [26] 211 [27] 212 [28] 213 [29] 214

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p9538[0...29] SI Motion SCA (SN) cam track assignment (Control Unit)

SERVO, VECTOR

Can be changed: U, T
Data type: Unsigned32
P-Group: Safety Integrated
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
100	414	[0] 100 [1] 101 [2] 102 [3] 103 [4] 104 [5] 105 [6] 106 [7] 107 [8] 108 [9] 109 [10] 110 [11] 111 [12] 112 [13] 113 [14] 114 [15] 200 [16] 201 [17] 202 [18] 203 [19] 204 [20] 205 [21] 206 [22] 207 [23] 208 [24] 209 [25] 210 [26] 211 [27] 212 [28] 213 [29] 214

p9540 SI Motion SCA (SN) tolerance (Control Unit)

SERVO

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Safety Integrated
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.0010 [mm]	10.0000 [mm]	0.1000 [mm]

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p9540 **SI Motion SCA (SN) tolerance (Control Unit)**

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0010 [mm]	10.0000 [mm]	0.1000 [mm]

p9540 **SI Motion SCA (SN) tolerance (Control Unit)**

SERVO (Safety rot)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0010 [°]	10.0000 [°]	0.1000 [°]

p9540 **SI Motion SCA (SN) tolerance (Control Unit)**

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0010 [°]	10.0000 [°]	0.1000 [°]

p9542 **SI Motion act val comparison tol (crosswise) (Control Unit)**

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0010 [mm]	360.0000 [mm]	0.1000 [mm]

p9542 **SI Motion act val comparison tol (crosswise) (Control Unit)**

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0010 [mm]	360.0000 [mm]	0.1000 [mm]

p9542 **SI Motion act val comparison tol (crosswise) (Control Unit)**

SERVO (Safety rot)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0010 [°]	360.0000 [°]	0.1000 [°]

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p9542 SI Motion act val comparison tol (crosswise) (Control Unit)

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.0010 [°]	360.0000 [°]	0.1000 [°]

p9544 SI Motion actual value comparison tolerance (referencing) (CU)

SERVO

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.0000 [mm]	36.0000 [mm]	0.0100 [mm]

p9544 SI Motion actual value comparison tolerance (referencing) (CU)

SERVO, VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.0000 [mm]	36.0000 [mm]	0.0100 [mm]

p9544 SI Motion actual value comparison tolerance (referencing) (CU)

SERVO (Safety rot)

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.0000 [°]	36.0000 [°]	0.0100 [°]

p9544 SI Motion actual value comparison tolerance (referencing) (CU)

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: U, T **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.0000 [°]	36.0000 [°]	0.0100 [°]

p9545 SI Motion SSM (SGA n < nx) filter time (Control Unit)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	100.00 [ms]	0.00 [ms]

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p9546 **SI Motion SSM (SGA n < nx) velocity limit (CU)**

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [mm/min]	1000000.00 [mm/min]	20.00 [mm/min]

p9546 **SI Motion SSM (SGA n < nx) velocity limit (CU)**

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [mm/min]	1000000.00 [mm/min]	20.00 [mm/min]

p9546 **SI Motion SSM (SGA n < nx) velocity limit (CU)**

SERVO (Safety rot)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	1000000.00 [rpm]	20.00 [rpm]

p9546 **SI Motion SSM (SGA n < nx) velocity limit (CU)**

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	1000000.00 [rpm]	20.00 [rpm]

p9547 **SI Motion SSM (SGA n < nx) velocity hysteresis (CU)**

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0010 [mm/min]	500.0000 [mm/min]	10.0000 [mm/min]

p9547 **SI Motion SSM (SGA n < nx) velocity hysteresis (CU)**

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.0010 [rpm]	500.0000 [rpm]	10.0000 [rpm]

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p9548 **SI Motion SBR actual velocity tolerance (Control Unit)**

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [mm/min]	120000.00 [mm/min]	300.00 [mm/min]

p9548 **SI Motion SBR actual velocity tolerance (Control Unit)**

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [mm/min]	120000.00 [mm/min]	300.00 [mm/min]

p9548 **SI Motion SBR actual velocity tolerance (Control Unit)**

SERVO (Safety rot)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	120000.00 [rpm]	300.00 [rpm]

p9548 **SI Motion SBR actual velocity tolerance (Control Unit)**

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	120000.00 [rpm]	300.00 [rpm]

p9549 **SI Motion slip velocity tolerance (Control Unit)**

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [mm/min]	6000.00 [mm/min]	6.00 [mm/min]

p9549 **SI Motion slip velocity tolerance (Control Unit)**

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [mm/min]	6000.00 [mm/min]	6.00 [mm/min]

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p9549 **SI Motion slip velocity tolerance (Control Unit)**

SERVO (Safety rot)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	6000.00 [rpm]	6.00 [rpm]

p9549 **SI Motion slip velocity tolerance (Control Unit)**

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	6000.00 [rpm]	6.00 [rpm]

p9550 **SI Motion SGE changeover tolerance time (Control Unit)**

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	10000.00 [ms]	500.00 [ms]

p9550 **SI Motion SGE changeover tolerance time (Control Unit)**

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	10000.00 [ms]	500.00 [ms]

p9551 **SI Motion SLS (SG) changeover delay time (Control Unit)**

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2825
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	600000.00 [ms]	100.00 [ms]

p9551 **SI Motion SLS (SG) changeover delay time (Control Unit)**

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2825
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	600000.00 [ms]	100.00 [ms]

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p9552 **SI Motion transition time STOP C to SOS (SBH) (Control Unit)**

SERVO

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Safety Integrated
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 2825
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [ms]	600000.00 [ms]	100.00 [ms]

p9552 **SI Motion transition time STOP C to SOS (SBH) (Control Unit)**

SERVO, VECTOR

Can be changed: C2(95)
Data type: FloatingPoint32
P-Group: Safety Integrated
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 2825
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [ms]	600000.00 [ms]	100.00 [ms]

p9553 **SI Motion transition time STOP D to SOS (SBH) (Control Unit)**

SERVO

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Safety Integrated
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 2825
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [ms]	600000.00 [ms]	100.00 [ms]

p9553 **SI Motion transition time STOP D to SOS (SBH) (Control Unit)**

SERVO, VECTOR

Can be changed: C2(95)
Data type: FloatingPoint32
P-Group: Safety Integrated
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 2825
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [ms]	600000.00 [ms]	100.00 [ms]

p9554 **SI Motion transition time STOP E to SOS (SBH) (Control Unit)**

SERVO

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Safety Integrated
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [ms]	600000.00 [ms]	100.00 [ms]

p9554 **SI Motion transition time STOP E to SOS (SBH) (Control Unit)**

SERVO, VECTOR

Can be changed: U, T
Data type: FloatingPoint32
P-Group: Safety Integrated
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 4
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0.00 [ms]	600000.00 [ms]	100.00 [ms]

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p9555 **SI Motion transition time STOP F to STOP B (Control Unit)**

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2825
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	600000.00 [ms]	0.00 [ms]

p9555 **SI Motion transition time STOP F to STOP B (Control Unit)**

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2825
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	600000.00 [ms]	0.00 [ms]

p9556 **SI Motion pulse suppression delay time (Control Unit)**

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2825
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	600000.00 [ms]	100.00 [ms]

p9556 **SI Motion pulse suppression delay time (Control Unit)**

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2825
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	600000.00 [ms]	100.00 [ms]

p9557 **SI Motion pulse suppression test time (Control Unit)**

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	10000.00 [ms]	100.00 [ms]

p9557 **SI Motion pulse suppression test time (Control Unit)**

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	10000.00 [ms]	100.00 [ms]

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p9558 **SI Motion acceptance test mode time limit (Control Unit)**

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
5000.00 [ms]	100000.00 [ms]	40000.00 [ms]

p9558 **SI Motion acceptance test mode time limit (Control Unit)**

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
5000.00 [ms]	100000.00 [ms]	40000.00 [ms]

p9559 **SI Motion forced checking procedure timer (Control Unit)**

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [h]	9000.00 [h]	8.00 [h]

p9560 **SI Motion pulse suppression shutdown velocity (Control Unit)**

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [mm/min]	6000.00 [mm/min]	0.00 [mm/min]

p9560 **SI Motion pulse suppression shutdown velocity (Control Unit)**

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [mm/min]	6000.00 [mm/min]	0.00 [mm/min]

p9560 **SI Motion pulse suppression shutdown speed (Control Unit)**

SERVO (Lin, Safety rot)

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	6000.00 [rpm]	0.00 [rpm]

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p9560 **SI Motion pulse suppression shutdown speed (Control Unit)**

SERVO (Lin, Safety rot), VECTOR (Safety rot)

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [rpm]	6000.00 [rpm]	0.00 [rpm]

p9560 **SI Motion pulse suppression shutdown velocity (Control Unit)**

SERVO (Lin)

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [mm/min]	6000.00 [mm/min]	0.00 [mm/min]

p9560 **SI Motion pulse suppression shutdown velocity (Control Unit)**

SERVO (Lin)

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [mm/min]	6000.00 [mm/min]	0.00 [mm/min]

p9561 **SI Motion SLS (SG) stop response (Control Unit)**

SERVO

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	14	5

p9561 **SI Motion SLS (SG) stop response (Control Unit)**

SERVO, VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 4
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	14	5

p9562 **SI Motion SLP (SE) stop response (Control Unit)**

SERVO

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
2	4	2

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p9562 SI Motion SLP (SE) stop response (Control Unit)

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
2	4	2

p9563[0...3] SI Motion SLS (SG)-specific stop response (Control Unit)

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	14	2

p9563[0...3] SI Motion SLS (SG)-specific stop response (Control Unit)

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	14	2

p9570 SI Motion acceptance test mode (Control Unit)

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 hex	00AC hex	0000 hex

r9571 SI Motion acceptance test status (Control Unit)

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 hex	00AC hex	-

p9580 SI Motion pulse suppression delay time after bus failure (CU)

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	800.00 [ms]	0.00 [ms]

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p9580 SI Motion pulse suppression delay time after bus failure (CU)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 4
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	800.00 [ms]	0.00 [ms]

r9590[0...3] SI Motion version safety motion monitoring (Control Unit)

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p9601 SI enable, functions integrated in the drive (Control Unit)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p9602 SI enable Safe Brake Control (Control Unit)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** 2814
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

p9610 SI PROFIsafe address (Control Unit)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFE hex	0000 hex

p9620[0...7] BI: SI signal source for STO (SH)/SBC/SS1 (Control Unit)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned32 / Binary **Dynamic index:** - **Func. diagram:** 2810
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p9650 SI SGE changeover tolerance time (Control Unit)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 2810
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	2000.00 [ms]	500.00 [ms]

p9652 SI Safe Stop 1 delay time (Control Unit)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [s]	300.00 [s]	0.00 [s]

p9658 SI transition time STOP F to STOP A (Control Unit)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 2802
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	30000.00 [ms]	0.00 [ms]

p9659 SI forced checking procedure timer

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 2810
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [h]	9000.00 [h]	8.00 [h]

p9700 SI Motion copy function

SERVO, VECTOR

Can be changed: C2(95), U, T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	00D0 hex	0000 hex

p9700 SI Motion copy function

TM54F_MA

Can be changed: C2(95), U, T **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	0057 hex	0000 hex

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p9701 **Acknowledge SI Motion data**

SERVO, VECTOR

Can be changed: C2(95), U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 hex	00EC hex	0000 hex

p9701 **Acknowledge SI Motion data**

TM54F_MA, TM54F_SL

Can be changed: C2(95), U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 hex	00EC hex	0000 hex

p9705 **BI: SI Motion: Test stop signal source**

SERVO, VECTOR

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

r9710[0...1] **SI Motion diagnostics result list 1**

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9711[0...1] **SI Motion diagnostics result list 2**

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9712 **SI Motion diagnostics position action value motor side**

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r9713[0...3] SI Motion diagnostics position action value load side

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9714 SI Motion diagnostics velocity actual value load side

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9718.23 CO/BO: SI Motion control signals 1

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9718.23 CO/BO: SI Motion control signals 1

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9719.0...31 CO/BO: SI Motion control signals 2

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9720.0...10 CO/BO: SI Motion control signals integrated in the drive

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2840, 2855
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r9721.0...15 CO/BO: SI Motion status signals

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9722.0...15 CO/BO: SI Motion status signals integrated in the drive

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2840, 2855
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9722.0...15 CO/BO: SI Motion status signals integrated in the drive

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2840, 2855
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9723.0 CO/BO: SI Motion diagnostic signals integrated in the drive

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9724 SI Motion crosswise comparison clock cycle

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [ms]	- [ms]	- [ms]

r9725[0...2] SI Motion, diagnostics STOP F

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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p9726 **SI Motion, user agreement selection/de-selection**

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 hex	00AC hex	0000 hex

p9726 **SI Motion, user agreement selection/de-selection**

SERVO, VECTOR

Can be changed: U, T | **Calculated:** - | **Access level:** 4
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 hex	00AC hex	0000 hex

r9727 **SI Motion user agreement, inside the drive**

SERVO

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9727 **SI Motion user agreement, inside the drive**

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 4
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9728[0...2] **SI Motion actual checksum, SI parameters**

SERVO, VECTOR

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p9729[0...2] **SI Motion reference checksum, SI parameters**

SERVO

Can be changed: U, T | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

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p9729[0...2] SI Motion reference checksum, SI parameters

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

r9730 SI Motion Safe maximum velocity

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mm/min]	- [mm/min]	- [mm/min]

r9730 SI Motion Safe maximum velocity

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

r9731 SI Motion safe position accuracy

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [mm]	- [mm]	- [mm]

r9731 SI Motion safe position accuracy

SERVO (Safety rot), VECTOR (Safety rot)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [°]	- [°]	- [°]

r9733[0...1] CO: SI Motion effective setpoint speed limiting

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** 3_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [rpm]	- [rpm]	- [rpm]

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r9733[0...1] CO: SI Motion effective setpoint speed limiting

SERVO (Lin)

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** 4_1 **Unit selection:** p0505
Not for motor type: - **Scaling:** p2000 **Expert list:** 1

Min	Max	Factory setting
- [m/min]	- [m/min]	- [m/min]

r9735[0...1] SI Motion diagnostics result list 3

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9736[0...1] SI Motion diagnostics result list 4

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9737[0...1] SI Motion diagnostics result list 5

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9738[0...1] SI Motion diagnostics result list 6

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9739[0...1] SI Motion diagnostics result list 7

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r9744 **SI message buffer changes, counter**

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9747[0...63] **SI message code**

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9748[0...63] **SI message time received in milliseconds**

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [ms]	- [ms]	- [ms]

r9749[0...63] **SI message value**

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Integer32 **Dynamic index:** - **Func. diagram:** -
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p9752 **SI message cases, counter**

SERVO, VECTOR

Can be changed: U, T **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	65535	0

r9753[0...63] **SI message value for float values**

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Messages **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r9754[0...63] SI message time received in days

SERVO, VECTOR

Can be changed: -
Data type: Unsigned16
P-Group: Messages
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

r9755[0...63] SI message time removed in milliseconds

SERVO, VECTOR

Can be changed: -
Data type: Unsigned32
P-Group: Messages
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
- [ms]	- [ms]	- [ms]

r9756[0...63] SI message time removed in days

SERVO, VECTOR

Can be changed: -
Data type: Unsigned16
P-Group: Messages
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: -
Unit selection: -
Expert list: 1

Min	Max	Factory setting
-	-	-

p9761 SI password input

SERVO, VECTOR

Can be changed: C1, T
Data type: Unsigned32
P-Group: Safety Integrated
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 2800
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p9762 SI password new

SERVO, VECTOR

Can be changed: C2(95)
Data type: Unsigned32
P-Group: Safety Integrated
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 2800
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p9763 SI password acknowledgement

SERVO, VECTOR

Can be changed: C2(95)
Data type: Unsigned32
P-Group: Safety Integrated
Not for motor type: -

Calculated: -
Dynamic index: -
Units group: -
Scaling: -

Access level: 3
Func. diagram: 2800
Unit selection: -
Expert list: 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

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r9770[0...3] SI vers. safety fcts that run indep. in the drive (Control Unit)

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2802
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9771 SI common functions (Control Unit)

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2804
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9772.0...23 CO/BO: SI status (Control Unit)

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2804
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9773.0...31 CO/BO: SI status (Control Unit + Motor Module)

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2804
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9774.0...31 CO/BO: SI status (group STO)

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2804
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9780 SI monitoring clock cycle (Control Unit)

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 2802
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [ms]	- [ms]	- [ms]

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r9781[0...1] SI checksum to check changes (Control Unit)

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9782[0...1] SI time stamp to check changes (Control Unit)

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [h]	- [h]	- [h]

r9794[0...19] SI crosswise comparison list (Control Unit)

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2802
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9795 SI diagnostics STOP F (Control Unit)

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2802
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9798 SI actual checksum SI parameters (Control Unit)

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2800
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p9799 SI reference checksum SI parameters (Control Unit)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2800
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

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p9801 SI enable, functions integrated in the drive (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p9802 SI enable Safe Brake Control (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Integer32 **Dynamic index:** - **Func. diagram:** 2814
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	0

p9810 SI PROFIsafe address (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFE hex	0000 hex

p9850 SI SGE changeover tolerance time (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 2810
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	2000000.00 [µs]	500000.00 [µs]

p9852 SI Safe Stop 1 delay time (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [ms]	300000.00 [ms]	0.00 [ms]

p9858 SI transition time STOP F to STOP A (Control Unit)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 2802
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0.00 [µs]	30000000.00 [µs]	0.00 [µs]

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r9870[0...3] SI version safety functions integrated in drive (Motor Module)

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2802
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9871 SI common functions (Motor Module

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2804
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9872.0...23 CO/BO: SI status list (Motor Module)

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2804
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9880 SI monitoring clock cycle (Motor Module)

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** 2802
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [ms]	- [ms]	- [ms]

r9881[0...11] SI Motion Sensor Module Node Identifier second channel

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9890[0...2] SI version (Sensor Module)

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r9894[0...19] SI crosswise comparison list (Motor Module)

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2802
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9895 SI diagnostics STOP F (Motor Module)

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2802
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9898 SI actual checksum SI parameters (Motor Module)

SERVO, VECTOR

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2800
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p9899 SI reference checksum SI parameters (Motor Module)

SERVO, VECTOR

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2800
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

r9900 Actual topology number of indices

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Topology **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

r9901[0...n] Actual topology

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** r9900 **Func. diagram:** -
P-Group: Topology **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
-	-	-

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p9902 **Target topology number of indices**

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Topology **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
1	65535	1

p9903[0...n] **Target topology**

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** p9902 **Func. diagram:** -
P-Group: Topology **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
0000 hex	FFFF hex	0000 hex

p9904 **Topology comparison, acknowledge differences**

CU_CX32, CU_I, CU_S

Can be changed: C1(1) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Topology **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p9905 **Device specialization**

CU_CX32, CU_I, CU_S

Can be changed: C1(1) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Topology **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	2	0

p9906 **Topology comparison, comparison stage of all components**

CU_CX32, CU_I, CU_S

Can be changed: C1(1) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Topology **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	99	0

p9907 **Topology comparison, comparison stage of the component number**

CU_CX32, CU_I, CU_S

Can be changed: C1(1) **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: Topology **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	199	0

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p9908 **Topology comparison, comparison stage of a component**

CU_CX32, CU_I, CU_S

Can be changed: C1(1) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Topology **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	99	0

p9909 **Topology comparison, component replacement**

CU_CX32, CU_I, CU_S

Can be changed: C1(1) **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: Topology **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	1

p9910 **Transfer additional components into the target topology**

CU_CX32, CU_I, CU_S

Can be changed: C1(1) **Calculated:** - **Access level:** 1
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Topology **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	6	0

p9911[0...3] **Insert drive object**

CU_CX32, CU_I, CU_S

Can be changed: C1(1) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
0	4294967295	0

p9912[0...1] **Delete drive object**

CU_CX32, CU_I, CU_S

Can be changed: C1(3) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
0	62	0

p9913[0...2] **Change drive object number**

CU_CX32, CU_I, CU_S

Can be changed: C1(4) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
0	62	0

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p9914[0...2] Change component number

CU_CX32, CU_I, CU_S

Can be changed: C1 | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
0	199	0

p9915 DRIVE-CLiQ data transfer error shutdown threshold master

CU_CX32, CU_I, CU_S

Can be changed: C1(1) | **Calculated:** - | **Access level:** 4
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Topology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 hex	0007 07FF hex	0007 02FF hex

p9916 DRIVE-CLiQ data transfer error shutdown threshold slave

CU_CX32, CU_I, CU_S

Can be changed: C1(1) | **Calculated:** - | **Access level:** 4
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Topology | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 hex	0007 07FF hex	0007 02FF hex

p9917[0...1] Delete component

CU_CX32, CU_I, CU_S

Can be changed: C1(30) | **Calculated:** - | **Access level:** 3
Data type: Unsigned16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 0

Min	Max	Factory setting
0	199	0

p9920[0...19] Licensing, enter license key

CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Unsigned8 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p9921 Licensing, activate license key

CU_S

Can be changed: U, T | **Calculated:** - | **Access level:** 2
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: - | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	1	0

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r9925[0...99] Firmware file incorrect

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r9926 Firmware check status

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 2
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p9930[0...8] System logbook activation

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 4
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	255	0

p9931[0...99] System logbook module selection

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p9932 Save system logbook EEPROM

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 4
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	255	0

r9935.0 BO: POWER ON delay signal

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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p9941 Delete property for all components in the target topology

CU_CX32, CU_I, CU_S

Can be changed: C1(1) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Topology **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 0

Min	Max	Factory setting
0	1	0

p9950 Runtime measurement control

CU_CX32, CU_I, CU_S

Can be changed: U, T **Calculated:** - **Access level:** 4
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	3	0

r9976[0...7] System load

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
- [%]	- [%]	- [%]

r9999[0...99] Software error internal supplementary diagnostics

CU_CX32, CU_I, CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p10000 SI sampling time

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1.00 [ms]	25.00 [ms]	12.00 [ms]

p10001 SI delay time for test stop at DO 0 ... 3

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: FloatingPoint32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
2.00 [ms]	2000.00 [ms]	500.00 [ms]

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p10002 SI discrepancy monitoring time

TM54F_MA, TM54F_SL

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2850, 2851
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
1.00 [ms]	2000.00 [ms]	500.00 [ms]

p10003 SI forced checking procedure timer

TM54F_MA

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: FloatingPoint32 | **Dynamic index:** - | **Func. diagram:** 2848
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0.00 [h]	8760.00 [h]	8.00 [h]

r10004[0...1] SI actual checksum TM54F parameters

TM54F_MA, TM54F_SL

Can be changed: - | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 2847
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	-

p10005[0...1] SI reference checksum TM54F parameters

TM54F_MA, TM54F_SL

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 | **Dynamic index:** - | **Func. diagram:** 2847
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p10006 SI acknowledgement internal event input terminal

TM54F_MA, TM54F_SL

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: Integer16 | **Dynamic index:** - | **Func. diagram:** -
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
0	255	0

p10007 BI: SI input terminal forced checking procedure F-DO 0 ... 3

TM54F_MA

Can be changed: C2(95) | **Calculated:** - | **Access level:** 3
Data type: Unsigned32 / Binary | **Dynamic index:** - | **Func. diagram:** 2848
P-Group: Safety Integrated | **Units group:** - | **Unit selection:** -
Not for motor type: - | **Scaling:** - | **Expert list:** 1

Min	Max	Factory setting
-	-	0

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p10008 SI operating mode TM54F

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 4
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	1	1

p10010[0...5] SI drive object assignment

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2847, 2848
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	62	0

p10011[0...5] SI drive group assignment

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** 2848
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
1	4	1

p10012[0...5] SI Motor Module Node Identifier Word 1

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p10013[0...5] SI Motor Module Node Identifier Word 2

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p10014[0...5] SI Motor Module Node Identifier Word 3

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

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p10020[0...3] SI special operating mode selection

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	3	1

p10021[0...3] SI Emergency Stop stop response

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 4
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	2	0

p10022[0...3] SI STO input terminal

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	255	0

p10023[0...3] SI SS1 input terminal

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	255	0

p10024[0...3] SI SS2 input terminal

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	255	0

p10025[0...3] SI SOS input terminal

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	255	0

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p10026[0...3] SI SLS input terminal

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	255	0

p10027[0...3] SI SLS_Limit(1) input terminal

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	255	0

p10028[0...3] SI SLS_Limit(2) input terminal

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	255	0

p10036[0...3] SI special operating mode input terminal

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 4
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	255	0

p10037[0...3] SI agreement input terminal

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 4
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	255	0

p10038[0...3] SI Emergency Stop input terminal

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 4
Data type: Integer16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	255	0

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p10039[0...3] SI Safe State signal selection

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2856
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0001 bin

p10040 SI F-DI input mode

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p10041 SI F-DI enable for test

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2848
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

p10042[0...5] SI F-DO 0 signal sources

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** 2857
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	779	0

p10043[0...5] SI F-DO 1 signal sources

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** 2857
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	779	0

p10044[0...5] SI F-DO 2 signal sources

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** 2857
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	779	0

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p10045[0...5] SI F-DO 3 signal sources

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Integer16 **Dynamic index:** - **Func. diagram:** 2857
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0	779	0

p10046 SI test sensor feedback signal input DI 20 ... 23

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2848
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	0000 bin

r10051.0...9 CO/BO: SI digital inputs status

TM54F_MA, TM54F_SL

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r10052.0...3 CO/BO: SI digital outputs status

TM54F_MA, TM54F_SL

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r10053.0...3 CO/BO: SI digital inputs 20 ... 23 status

TM54F_SL

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2848
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r10054 SI TM54F failsafe events active

TM54F_MA, TM54F_SL

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r10055 SI TM54F communication status drive-specific

TM54F_MA, TM54F_SL

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2846
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r10056.0 CO/BO: SI Status

TM54F_MA

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

p10061 SI password input TM54F

TM54F_MA, TM54F_SL

Can be changed: T **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2847
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p10062 SI password new TM54F

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2847
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

p10063 SI password acknowledgement TM54F

TM54F_MA, TM54F_SL

Can be changed: C2(95) **Calculated:** - **Access level:** 3
Data type: Unsigned32 **Dynamic index:** - **Func. diagram:** 2847
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
0000 hex	FFFF FFFF hex	0000 hex

r10090[0...3] SI TM54F version

TM54F_MA, TM54F_SL

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned16 **Dynamic index:** - **Func. diagram:** -
P-Group: Safety Integrated **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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r61000[0...239] PROFINET Name of Station

CU_S (PROFINET), CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

r61001[0...3] PROFINET IP of Station

CU_S (PROFINET), CU_S

Can be changed: - **Calculated:** - **Access level:** 3
Data type: Unsigned8 **Dynamic index:** - **Func. diagram:** -
P-Group: - **Units group:** - **Unit selection:** -
Not for motor type: - **Scaling:** - **Expert list:** 1

Min	Max	Factory setting
-	-	-

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Suggestions
Corrections

for Publication/Manual
SINUMERIK 840D sl, SINAMICS S120
Lists 1st Book
Parameter Manual

Manufacturer/Service documentation

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Lists 1st Book
Order No.: 6FC5397-7AP10-5BA0
03/2010

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Suggestions and/or Corrections

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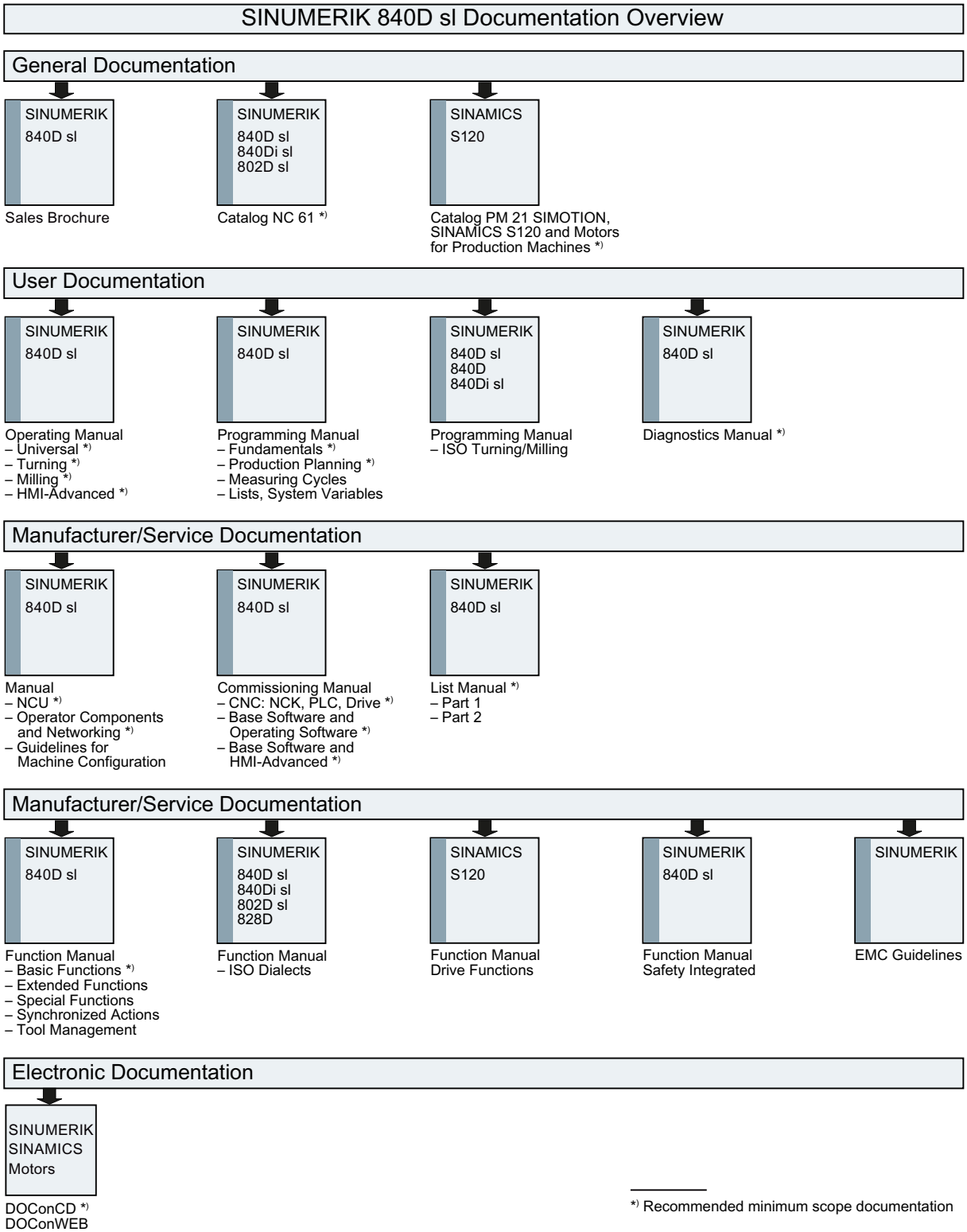
A.2 Overview


SINUMERIK 840D sl Documentation Overview
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Sales Brochure
SINUMERIK 840D sl 840Di sl 802D sl
Catalog NC 61 *)
SINAMICS S120
Catalog PM 21 SIMOTION, SINAMICS S120 and Motors for Production Machines *)
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– Milling *)
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Function Manual
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– Extended Functions
– Special Functions
– Synchronized Actions
– Tool Management
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Function Manual
– ISO Dialects
SINAMICS S120
Function Manual
Drive Functions
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Function Manual
Safety Integrated
SINUMERIK
EMC Guidelines
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