

General conditions and function limitations, notes for configuration and operation

These notes take precedence over statements contained in other documents.

Because these notes contain important information for the installation and use of the software, please read them carefully.

SINAMICS G120 software V4.6 HF6 incl. SSP for STARTER

ARTSPPlusRQ	Circumstances	Possible work-around	valid since version
SINAMICS_SW - General			
AP01444429	All information on p0115 provided in List Manual G120 CU250S-2 is not relevant.	Ignore information on p0115	V 4.6
AP01462640	The online help and List Manual for CU250S-2 incorrectly describe an option where p0756 "CU analog inputs type" = 9 "Unipolar voltage input (0 V ... +3 V)" can be set.	Ignore documented setting p0756 = 9.	V 4.6
AP01474759	The following note is missing in the documentation: The internal resolver evaluation is not permitted as a direct measuring system (closed loop position control).	Connect the resolver to an external SMx10 and connect it to the CU250S-2 via DRIVE-CLiQ.	V 4.6
AP01543514	Via the expert list p0108 "Function modules" may be changed incorrectly offline. Activated function modules are not accepted after download and are thus not available.	Function module bits can only be activated offline in the wizard or online in the drive by means of p0108 "Function modules".	V 4.6 HF5
AP01550903	The terminal designations in the parameter texts for the digital inputs and outputs of PM330 are incorrect. Correct texts for parameter r4022 "CO/BO: PM330 digital inputs status", r4023 "CO/BO: PM330 digital inputs status inverted", p4095 "PM330 digital inputs simulation mode" and p4096 "PM330 digital inputs simulation mode setpoint": DI 0 (X9.3, external alarm) DI 1 (X9.4, external fault) DI 2 (X9.5, Emergency Off category 1) DI 3 (X9.6, Emergency Off category 0) Correct texts for r4047 "PM330 digital outputs status": DO 0 (X9.8: Enable signal UDC link charged) DO 1 (X9.11/X9.12: Main contactor control)	None.	V 4.6
AP01554629	During commissioning with plugged-in BOP-2 and inserted memory card it may happen that the Control Unit no longer responds. After switching off and on, fault F01003 "Acknowledgement delay when accessing the memory" is signaled. F01003 disappears after switching off and on again.	Perform commissioning when BOP-2 is not plugged in or when the memory card is not inserted. Only insert the BOP-2/memory card when this has been carried out.	V 4.6
SINAMICS_SW - Drive wizard			
AP01548405	The drive wizard within BOP-2 cannot be used for commissioning the servo control.	Commissioning via the Starter wizard.	V 4.6 HF5
SINAMICS_SW - Data set changeover			
AP01408709	If the automatic parameter assignment p0340 = 1 for vector is not executed with the first drive data set DDS0 and the calculation for reference parameters p0573 "Inhibit automatic reference value calculation" has previously been released, p2003 "Reference torque" and p2004 "Reference power" are not calculated.	Assign parameters p2003 and p2004 manually.	V 4.6
SINAMICS_SW - Expert list			
AP01437249	For p0187 "Encoder 1 encoder data set number", p3117 "Change safety message type", and p4652 "XIST1_ERW reset mode", the expert list (and documentation) indicates that they can be changed by setting p0009 accordingly - p0009 does not, however, exist in the drive.	p0010 "Drive commissioning parameter filter" must be used instead of p0009.	V 4.6
SINAMICS_SW - CAN communication			
AP01439002	Following a parameter reset, p8611 "CANopen Pre-def. Error Field" (or CANopen object 0x1003) may display erroneous faults, which are no longer present in the SINAMICS fault buffer.	Following a parameter reset, it may be necessary to manually acknowledge the SINAMICS faults (p8611[0] "CANopen Predef. Error Field" = 0) in order to update the CANopen Predef. Error Field.	V 4.6
AP01465970	A change to p8798 "CAN speed conversion factor" does not become effective immediately.	Execute power OFF/power ON.	V 4.6
SINAMICS_SW - PROFIdrive communication			
AP01476133	Some of the interlocks are not active in the case of offline parameter assignment for p0922 "PROFIdrive PZD telegram selection" via STARTER. If BICO interconnections dependent on p0922 are changed, fault codes can occur when downloading the STARTER project, which state that the parameter assignment could not be loaded.	Set p0922 to value 999.	V 4.6
SINAMICS_SW - PROFINET communication			
AP01454072	When a CU250S-2 PN Control Unit has been changed, the Control Unit only displays the correct name in parameter r8930[0...239] "PN Name of Station active" once it has been switched on/off again.	None.	V 4.6
AP01542572	With the PROFINET versions of the G120 family the setting p8925 "PN interface configuration" = 1 "Activate configuration" may be selected by mistake. This setting has no function.	Use p8925 = 2.	V 4.6
SINAMICS_SW - USS communications:			
AP01514294	BACnet bus with several slaves at baudrate 9600 Baud can be interrupted, if slaves are disconnected / connected from/to running bus.	Increase baudrate to 38400 Baud.	V 4.6
SINAMICS_SW - USB communication			
AP01409761	After several hours, the USB connection via STARTER may be interrupted.	If the connection cannot be re-established, the PC must be re-started.	V 4.6

ARTSPlusRQ	Circumstances	Possible work-around	valid since version
SINAMICS_SW - Closed-loop control			
AP01470227	In the case of fault F07906 "Armature short circuit/internal voltage protection: parameterization error" in the List Manual for CU250S-2 the description for cause 102 dec is incomplete. It should be as follows: External armature short-circuit with contactor feedback signal: No feedback signal correction (BI: p1235). The feedback signal must be interconnected in all Command Data Sets (CDS).	None.	V 4.6
AP01559217	During DC braking with servo control, the setting p0290 "Power unit overload response" = 0 "Reduce output current or output frequency" responds incorrectly like the setting p0290 = 1 "No reduction shutdown when overload threshold is reached".	None.	V 4.6
SINAMICS_SW - Safety Integrated			
AP01455995	In older Power Modules, fault value 1042 "Current/voltage plausibility error" may occur in conjunction with a selected, secure motion monitoring function for alarm C01711/C30711 "Defect in a monitoring channel", if an ON/OFF1 start command is specified less than 150 ms after clearing STO.	- Increase wait time between clearing STO and start command to at least 150 ms - use newer Power Module	V 4.6
PNIO_MC - General communication			
AP01481909	The setting in p8981 "Ethernet/IP ODVA STOP Mode" = 1 "OFF2" means that the drive cannot be traversed.	Setting in p8981 "Ethernet/IP ODVA STOP Mode" = 0 "OFF1" (factory setting)	
LH15 Listenh G120 CU250S-2 - General			
AP01400356	The following note is missing in the documentation for parameter p0290 "Power unit overload response": For short-circuit detection/ground fault detection, the pulse frequency for the make time is briefly reduced via p1901 "Test impulse evaluation configuration" when test pulse evaluation is active. The following note is missing in the documentation for parameter p0230 "Drive filter type, motor side": In sine-wave filters, the test impulse evaluation for detecting short-circuits is always de-activated.	None	V 4.60
AP01444417	All information on p0009 provided in List Manual G120 CU250S-2 is not relevant.	Ignore all information on p0009 provided in List Manual G120 CU250S-2.	V 4.60