

SINAMICS Startdrive V15 – General conditions S120

General conditions and function restrictions as well as notes on configuration and operation.
These notes take precedence over statements in other documents.

ID	Title	Description of the restriction	Solutions for the restriction	Resolved in
1646146	The upload of a STARTER project is canceled	If an 1FK6 motor is configured with STARTER and loaded to the drive device – then the upload with Startdrive is rejected.	Configure the 1FK6 motor using Startdrive, and load this to the drive device.	
1867374	The upload of a STARTER project is rejected	If an encoder with DQ interface (10000) is parameterized and loaded to the drive using STARTER, then an upload with Startdrive is only possible if the parameterized encoder is also part of the actual topology.	Connect the parameterized encoder – or remove the encoder from the target topology in the STARTER project and download again	
1946403	The documentation for the blocks in the Drive Library is not up-to-date	The documentation for the blocks in the Drive Library, contained in Startdrive in the information system (Help) is not up-to-date.	To obtain current documentation, please go to SIOS (SIEMENS Industry Online Support) and review entry ID 109475044.	Startdrive V15 Update 1
2268064	Calculated motor/open-loop/closed-loop control parameters not protected against change	Several motor/open-loop/closed-control parameters of SINAMICS drives are recalculated if the parameterization is loaded to the drive and parameter p340 has a value that is not equal to 0. However, these parameters can be edited in Startdrive and users do not obtain feedback that the set values are overwritten.	In the Help for parameter p340, check whether the corresponding parameter is influenced by the motor data calculation.	Startdrive V15 Update 1

ID	Title	Description of the restriction	Solutions for the restriction	Resolved in
2406610	Incorrect DQI encoder parameters	If a list motor with DQI encoder is applied over hardware catalog or "Detection of the device configuration" in Startdrive and then simultaneously extended safety will be activated there occurs an error message "F30651 SI P2: Synchronization with Control Unit unsuccessful".	The motor has to be removed in "Device view", and a "DRIVE-CLiQ-motor" has to be configured instead. After going online and "Download to device" safety can be activated again for the axis.	Startdrive V15.1
2517913	Upgrade of V14 project with S120 devices to V15 not possible	It is not possible to upgrade a V14 SP1 project containing S120 devices to version V15. With only G120 devices it is possible.	<ul style="list-style-type: none"> - Open V14 SP1 project with S120 inside in V14 SP1 - Delete the S120 device(s) and save the project - Open this project in V15 (with installed Startdrive S120 V15) - By opening the project in V15 and upgrading it to V15 format all remaining parts of Startdrive S120 V14 SP1 are removed - Now the project can be opened with an installation without Startdrive or S120 devices can be added again with Startdrive V15. 	Startdrive V15 Update 1
2533968	The first download is sporadically unsuccessful.	If, in the offline mode, a download is started then sporadically this is unsuccessful. An error message is output stating that the device configuration online and offline would be incompatible; however, this statement is not true.	The second download attempt functions. Alternatively, you can go online before initiating a download.	Startdrive V15 Update 1

ID	Title	Description of the restriction	Solutions for the restriction	Resolved in
2536449	Incorrect encoder data after device detection with DRIVE-CLiQ encoders	If a catalog motor with DRIVE-CLiQ encoder is created using "Detection of the device configuration" or in the hardware catalog, and then "Extended Safety" is activated, after the download, Alarm "F30651 SI P2: Synchronization with the Control Unit failed" is output.	The motor must be deleted in the device view, and instead a "DRIVE-CLiQ motor" must be created. Safety for this axis can be reactivated after the download has been completed.	Startdrive V15 Update 1
2562690	Loading the device as new station in the main menu and context menu not active	A device that was found via "Online access" can be loaded into the project via the "Online" main menu and the context menu at the device. However, these menu entries do not exist or are deactivated if the "Detail view" in the Project Navigator is closed.	a) Open the "Detail view" in the Project Navigator. b) Open the entry for the device in the Project Navigator so that the associated editors are visible.	Startdrive V15 Update 1
2584385	Incorrect display of "SINAMCS Startdrive S120 V14"	In the project properties, under "Software products in the project", the "SINAMCS Startdrive S120 V14" entry is displayed. When opening a project created with Startdrive V15 in an environment without Startdrive, in addition to the missing "Startdrive V15" installation, "SINAMICS Startdrive S120 V14" as version to be installed is displayed	The message that "SINAMICS Startdrive S120 V14" is missing is a Startdrive V15 display error. This error has no influence on the Startdrive function, and can be ignored.	Startdrive V15 Update 1
2587256	Parallel connection in "Detection of the device configuration"	If, in the dialog of the "Detection of the device configuration", power units were connected in parallel, then they can no longer be rearranged (for instance, by dragging and dropping).	Cancel and restart the "Detection of the device configuration" and again create the required configuration – or create the actual configuration and make the appropriate corrections in the device view.	Startdrive V15.1

ID	Title	Description of the restriction	Solutions for the restriction	Resolved in
2587654	It is not possible to correctly diagnose power units connected in parallel.	In the online state, in the device view, diagnostic icons can be displayed for all drive objects and components. In the case of a parallel connection, the diagnostics status for components connected in parallel is not correct, the status is always "OK".	The status of power units connected in parallel must be identified in another way – for example, using the message display.	Startdrive V16
2610139	A rotating measurement for VECTOR can no longer be deselected	If, for a VECTOR drive object type, the rotating measurement is selected and activated in the Stationary/rotating measurement screen form – without first having performed a stationary measurement – then the measurement on the screen form cannot be deactivated again.	Go into the basic commissioning and deselect the rotating measurement there. Then first perform the stationary and then the rotating measurement.	Startdrive V15 Update 1
2617380	PROFINET topology comparison S120	The online interconnections of the S120 are not detected in the PN topology comparison of the online/offline port interconnections. For G120, the connected devices are automatically detected.	In the PN topology comparison list, for S120, the PROFINET device name must be set and then the connected devices are detected.	Startdrive V15 Update 1
2618375	The device configuration permits invalid parallel connections	Invalid topologies, for example parallel power unit connections that are not valid, can be configured in the device configuration. This causes problems when downloading.	The Equipment Manual must be reviewed before a topology can be configured.	Startdrive V15 Update 1
2632055	Aligning the motor data in the offline project	If the motor type is changed online, and a subsequent upload carried out, then the motor type set online is not transferred to the offline project.	Configure the required motor type in the offline project and load this to the drive device.	Startdrive V15 Update 1

ID	Title	Description of the restriction	Solutions for the restriction	Resolved in
2632981	"Basic Infeed Control" is displayed although "Active Infeed Control" has been selected	If you create a Power Stack Adapter MV, then this is created as default as BLM (DFE) with drive object type "Basic Infeed Control". When re-specifying to be an "ALM (AFE)", the drive object type is not automatically changed, which can result in various problems.	For the Power Stack Adapter MV, when re-specifying to be an Active Infeed, not only is another component selected in the selection grid, but also the drop-down box for the drive object types is switched over to "Active Infeed Control MV".	Startdrive V15 Update 1
2634004	Instead of the device name, sporadically "Online & Diagnose" is displayed	In the dialog boxes for Connect online, Download and Upload, you can search for compatible devices in the network or any devices in the network. When displaying these devices, it is possible that instead of the device name the "Online & Diagnose" text is displayed.	<ol style="list-style-type: none"> 1. Identify the device being searched for based on the IP address and process directly. 2. Start the search again using the button in the dialog until the device name is correctly displayed. 	Startdrive V15.1
2663834	Compile error after re-assignment of drive to PN-IO-System	If the PN-IO-System (drive assigned to PLC) is deleted and the drive is re-assigned to the PLC, the compile may lead to an error regarding the data limitation for the network.	Click on link (green arrow) next to the error message and start the compile again.	Startdrive V15 Update 1
2666360	It is not possible to connect hardware components in parallel using copy & paste	The action is not executed if an attempt is made to connect hardware components in parallel (infeed units, Motor Modules) using copy & paste.	Use the drag & drop function via the hardware catalog to connect hardware components in parallel.	Startdrive V15 Update 1
2678372	Control panel: After closing, the infeed unit sporadically goes into an undefined state	If you close the control panel without first deactivating it, it is possible that sporadically the infeed unit goes into an undefined state. The infeed unit can no longer be switched on.	After disconnecting the online connection and re-establishing it, the infeed unit functions as required.	Startdrive V15 Update 2

ID	Title	Description of the restriction	Solutions for the restriction	Resolved in
2678554	Invalid topologies can be created in the detection of the device configuration.	In the Detection of the device configuration it is possible to configure invalid quantity structure, e.g. eight servo drives. The hardware configuration does not support this, so that errors occur when transferring into the project. We recommend that you do not continue to work with this particular project.	A valid configuration according to the Equipment Manual must be set in the Detection of the device configuration dialog; for example, switch over two of the eight servo axes to vector.	Startdrive V15 Update 1
2700764	The help system does not function for Chinese	If an Internet Explorer Version < Version 11 is installed, then undecipherable characters are displayed in the Chinese help.	As a minimum, install Internet Explorer Version 11.	Startdrive V15 Update 1
2705119	For several MLFBs an upload is not possible.	Currently, an upload is not possible for these four Motor Modules: 6SL3320-1TG37-4AAx 6SL3320-1TG38-8AAx 6SL3320-1TG41-0AAx 6SL3320-1TG41-3AAx	-	Startdrive V15 Update 2
2705836	Several motors, which are configured with STARTER, are not displayed as specified after the upload.	For example, if you configure a project with 1PH8 motors using STARTER, after the upload in Startdrive no selection is shown for these in the motor selection grid.	However, you can still work with the motor as normal. In case of doubt, you can make a manual selection.	Startdrive V15 Update 1
2707228	"Unattended Setup" does not function in all environments	In some environments, the "Unattended Setup" via script does not function.	The standard setup (dialog-based) functions.	Startdrive V15.1
2674694	Sinamics V4.8: Download not possible due to p10>0	If, for an RT-SW version V4.8, a motor is manually entered (not an SMI motor and not a catalog motor), then when downloading a display is shown stating that this is not possible as p0010 is not 0. This is applicable for vector and servo drive objects.	Before the download: Set 10 in the parameter list to 0.	Startdrive V15 Update 1

ID	Title	Description of the restriction	Solutions for the restriction	Resolved in
2675150	S120: Multiuser server projects of V14 cannot be used in V15	S120 multiuser server projects created with V14 cannot be used in V15. There is no error message, the projects are just not shown.	see FAQ for project conversion (109754083 Migration from Startdrive S120 Projects and Firmware Upgrade)	Startdrive V15 Update 1
2633596	SINAMICS MV devices cannot be parametrized via openness	With SINAMICS MV it isn't possible to access parameters via openness.	-	Startdrive V15 Update 1
2637737	It is not possible to adjust the encoder at the servo drive object using the stationary/rotating measurement screen form	Adjusting the encoder at the servo drive object using the stationary/rotating measurement screen form results in an inoperable state of the screen form.	Adjust the encoder using parameter list p1990. If the screen form is in a state that cannot be used, this can be resolved using the parameter list and by setting p1990=0.	Startdrive V15 Update 1
1949601	Measurement duration for sampling times of 62.5 microseconds	If one or several axes on a CU are configured with a sampling time of 62.5 usec, then it is possible that the processing time of the automatic control optimization is extended by several minutes.	If all axes of a CU are configured with a sampling time of 125 usec, then on the average, the control optimization takes about 80 sec.	
2119462	Detection of the device configuration – motor encoder	When detecting the device configuration, an incorrect assignment is established between the motor encoder and sensor module if the direct measuring system (machine encoder) is not connected to DRIVE-CLiQ port X201.	If two encoders are connected to one Motor Module, then the motor encoder must be connected to DRIVE-CLiQ port X202 for a Single Motor Module, and for a Double Motor Module, to DRIVE-CLiQ port X202 (motor X1) or X203 (motor X2). Alternatively, the DRIVE-CLiQ wiring can be manually adapted in the device view.	Startdrive V15 Update 1

ID	Title	Description of the restriction	Solutions for the restriction	Resolved in
2662539	Encoder parameters in "Stationary/rotating measurement" always only show the first encoder	In the commissioning screen form "Stationary/rotating measurement", the encoder data of the first encoder data set (Index [0]) are always displayed in the result table. Involves p400, p431	If the first encoder is not to be used, then you can view the data in the parameter list.	Startdrive V15 Update 1
2614686	Line voltage detection with VSM (p3400.5) not automatically active	If an Active Line Module in the chassis format is configured at the S150, a VSM is automatically created; however, the "Line voltage detection with VSM" is not automatically activated.	Before the download, in the Active Line Module parameter list, bit P3400.5=1 must be set.	Startdrive V15 Update 1
2658706	Uploading from the device is interrupted	If an attempt is made to upload an induction motor (e.g. 1LE1) configured using STARTER, then the following message is displayed: "The component with Article number XMxxxx-xxxx-xxxx is not supported in the current Startdrive version."	Please configure the induction motor with Startdrive offline, and load this to the drive device.	Startdrive V15 Update 1
2675714	1FP1 reluctance motors cannot be used in a project for SINAMICS V4.8	1FP1 reluctance motors cannot be commissioned in a project for SINAMICS V4.8.	Upgrading to SINAMICS V5.1.	
2201921	Interconnecting standard/SIEMENS telegrams not protected against changes	When selecting a standard/SIEMENS telegram for a SINAMICS drive, certain BICO interconnections are established. Users can subsequently change these interconnections and therefore the telegram. If such a changed configuration is loaded to the drive, then only the original interconnections of the standard/SIEMENS telegram are active.	Do not change the interconnections in p2051, p2061, p2080 to p2084 if a standard/SIEMENS telegram is configured for the drive object.	Startdrive V15 Update 1

SINAMICS Startdrive V15 – Randbedingungen G120

Randbedingungen und Funktionseinschränkungen sowie Hinweise zur Projektierung und Betrieb.
Diese Hinweise sind Aussagen in anderen Dokumenten in der Verbindlichkeit übergeordnet.

ID	Restriction Title	Restriction Description	Restriction Workaround	Fixed in
2658336	Reluctance motors with encoders for CU240D-2 PN-F V4.7.9	Reluctance motors with encoders for CU240D-2 PN-F V4.7.9 cannot be configured in commissioning wizard.	Selection of encoder can be done by p400 in parameter list. Selection of encoder adjustment can be done by setting p1990 in parameter list.	Startdrive V15 Update 1
2658626	Hardware identifier	Hardware identifier shown in the in "General" tab of Properties page of drive in network and device view is wrong.	Use the hardware identifiers in the "system constants" tab which is present in Properties tab of drive.	Startdrive V15 Update 1