

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 V4.7 incl. SSP for STARTER

TFS	Circumstances	Possible work-around	valid since version
SINAMICS_SW - Drive wizard			
TFS315913	When commissioning the 1FK7 encoderless motor series offline, the alarm thresholds for the motor temperature are not correct.	To commission 1FK7 encoderless, use the online wizards	V 4.7
SINAMICS_SW - Download			
TFS318271	During IOP parameter download the fault F01002 "Internal software error" or F01003 "Acknowledgement delay when accessing the memory" is displayed. In that case the download was not successfully preceded. In consequence the IOP cannot be operated any more.	Parameter download shall be done in IOP AUTO-MODE	V 4.7
SINAMICS_SW - General communication			
TFS313098	ET200Pro-2 FC does not support reading out I&M0 data via data set 255. The behavior is identical with ET2000Pro FC(old).	Data set DS231 can be used for this purpose.	V 4.7
TFS313102	For BACnet bus systems with several participants, disturbances can occur on the bus or communication can be interrupted if the connector is withdrawn and reinserted during communication.	The bus connector can only be inserted when the module is switched off. The module must only be switched on again after the connector has been inserted.	V 4.7
TFS313116	If, in p922 "PROFdrive PZD telegram selection" the free telegram configuration (999) is selected, then the transfer via PZD does not function. The values of analog inputs (p2051.x = r752.y; x,y = [0,1]) are incorrect. The measured values are only transferred in the range from -2 V ... 2 V.	For PZD transfer, r755 (p922=999 and p2051.x = r755.y; x,y = [0,1]) (percentage value) must be set and used instead of r752 (actual value).	V 4.6
TFS314802	When using telegrams that use the STW3 (350er telegram), sporadically it is possible that an external fault F7860 is incorrectly output after the Control Unit powers up.	The error can be acknowledged.	V 4.7
SINAMICS_SW - CAN communication			
TFS313107	Partial saving does not function if a memory card is inserted.	Partial saving only without inserted card or complete saving with inserted card.	V 4.4
SINAMICS_SW - PROFIBUS communication			
TFS313100	Alarm A01920 "PROFIBUS: PROFIBUS: Interruption cyclic connection" remains active sporadically after frequent brief interruptions of the PROFIBUS connection even though PROFIBUS communication has been reestablished and is working normally.	Turn the module off and back on again.	V 4.6 HF8
SINAMICS_SW - PROFdrive communication			
TFS313215	For telegram 353, as PZD2, an unsmoothed speed actual value is interconnected (NIST_A, r0063[0] "CO: speed actual value"). The documentation describes the interconnection of a smoothed speed actual value (NIST_A_GLATT, r0063[1] "CO: speed actual value").	Set p0922 "PROFdrive PZD telegram selection" to a value of 999, and manually change the wiring from r0063[0] to r0063[1].	V 4.7
SINAMICS_SW - Closed-loop control			
TFS313111	For Simotics FD motors, a fast flying restart of a motor is not reliable if a rating plate is parameterized with a rated frequency of 100Hz.	Instead of a rated frequency of 100Hz, the 4-pole motor can also be parameterized with a rated frequency of 50Hz (see the rating plate). To reach 100Hz, the maximum speed must be subsequently increased to 100Hz*60/pole pair number. For PM330 (G120P) power units, flying restart with voltage measurement should be used (this is active as default). Note: Simotics FD drives should always be operated with the vector control (U/f control, only for diagnostic purposes).	V 4.7
TFS313117	The functionality of parameter p1440 "CI: Speed controller speed actual value" and r1443 "CO: Speed controller speed actual value at actual value input" is not supported.	None	V 4.7
PNIO_MC - General communication			
TFS313280	Change to the telegram setting in p0922 "PROFdrive PZD telegram selection" is not accepted in operation.	Change the telegram setting in p0922. Then carry out a RAM to ROM p0971 "Save parameter" and restart the Control Unit.	V 4.7
LH15 Listenh G120 CU250S-2			
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
LH11 Listenh G120 CU240B/E-2			
TFS305624	In the List Manual – in the description for fault F01611 "Defect in a monitoring channel" – fault value 1950 is not documented. The documentation states: (cause) "1950: Module temperature outside the permissible temperature range." (Remedy) "- Check the air intake for the Control Unit. - Check the Control Unit fan."	None required.	V 4.60
TFS306554	For fault F07405, in some foreign languages, the translation is incorrect. The correct message is as follows: F07405 (N, A) "Drive: Kinetic buffering, minimum speed not reached".	None	V 4.70
LH11 Listenh G120 CU240B/E-2 - General			
TFS299300	The ramp-function generator configuration p1151 is not available for the G120. The references in function block diagrams 3070 and 3080 to this parameter are therefore invalid	None	V 4.7

TFS	Circumstances	Possible work-around	valid since version
LH20 Listenh ET200pro			
TFS200994	References to r1439 are made in r1438 "Speed controller speed setpoint / n_ctrl n_set" and to r1518 in p1496 "Acceleration pre-control scaling / a_prectrl scal", which have not been enabled for ET200Pro FC-2.	Ignore the references.	V 4.7
TFS48903	ET 200pro FC-2 only supports two DDS (drive data sets). Notes regarding 4 DDS in the List Manual are not correct.	None	V 4.7