

# ACOPOS Error Texts

The ACOPOS error texts are described as follows:

## error number: error text

**Info:** Description of the additional information output with the error message.

**Data type:** Data format

**Description:**

Exact description of error.

**Reaction:**

Description of the reaction of the ACOPOS servo drive, which is triggered by the error.

**Cause/Remedy:**

Description of the cause of error as well as the possibilities for correcting this error.

Topics in this section:

- [1: Invalid parameter ID](#)
- [2: Data block for upload is not available](#)
- [3: Write access for a read-only parameter](#)
- [4: Read access for a write-only parameter](#)
- [8: Data block read access already initialized](#)
- [9: Data block write access already initialized](#)
- [10: Data block read access not initialized](#)
- [11: Data block write access not initialized](#)
- [16: The data segment is already the last when reading the data block](#)
- [17: The data segment is already the last when writing the data block](#)
- [18: The data segment is not yet the last when reading the data block](#)
- [19: The data segment is not yet the last when writing the data block](#)
- [21: Checksum after data block write is invalid](#)

- [23: Parameter ID in data block is invalid \(data block write\)](#)
- [25: Burn system module only allowed immediately after download](#)
- [27: Operating system not able to be started \(operating system is not on the FPROM\)](#)
- [40: Value of parameter higher than maximum value](#)
- [41: Value of parameter higher than maximum value](#)
- [42: Value of parameter higher than maximum value](#)
- [52: Value of parameter lower than minimum value](#)
- [53: Value of parameter lower than minimum value](#)
- [54: Value of parameter lower than minimum value](#)
- [64: Hardware ID in BR module is invalid \(data block write\)](#)
- [65: Hardware version in BR module is invalid \(data block write\)](#)
- [66: The operating system on the drive is incompatible to the existing network](#)
- [67: Necessary parameter is missing or is invalid](#)
- [68: Data block length invalid](#)
- [69: Command interface is occupied](#)
- [70: Value of a necessary parameter too high](#)
- [71: Value of a necessary parameter too low](#)
- [72: firmware version less than minimal necessary firmware version](#)
- [73: Invalid R4 floating point format](#)
- [1001: Error-FIFO overflow](#)
- [1002: Parameter outside the valid range](#)
- [1003: Parameter cannot be written while loop control is active](#)
- [1004: Timeout in network life sign monitor](#)
- [1005: Parameter cannot be written while a movement is active](#)
- [1006: Invalid parameter for trigger event \(digital input + edge\)](#)
- [1007: Master for network coupling deactivated - one master is already sending](#)
- [1008: Master for network coupling deactivated - Encoder error](#)
- [1009: Error during memory allocation](#)

- [1011: Quickstop input active](#)
- [1012: Breakdown of cyclic network communication](#)
- [1013: Station is not available for network communication](#)
- [1014: Network command interface is occupied](#)
- [1016: Maximum cycle time exceeded - CPU load too high](#)
- [1017: Invalid parameter ID for cyclic read access](#)
- [1018: Invalid parameter ID for cyclic write access](#)
- [1021: Parameter cannot be written: Function block active](#)
- [1022: Timeout in life sign monitoring of cyclic data to drive](#)
- [1023: Network coupling with the cyclic communication mode not allowed](#)
- [1024: Cyclic communication mode with current network configuration not possible](#)
- [1025: Value of parameter in connection with holding brake not allowed](#)
- [1026: Value of parameter in connection with SAFETY modules not allowed](#)
- [1027: Function is not available for this hardware](#)
- [2001: Upload of trace data not allowed: Recording active](#)
- [2003: Trace start not allowed: Recording active](#)
- [2006: Initialization of trace parameters not allowed: Recording active](#)
- [4005: Controller cannot be switched on: Drive in error state](#)
- [4007: Lag error stop limit exceeded](#)
- [4008: Positive limit switch reached](#)
- [4009: Negative limit switch reached](#)
- [4010: Controller cannot be switched on: Both limit switches are closed](#)
- [4011: Controller cannot be switched off: Movement active](#)
- [4012: Controller cannot be switched on: Init parameters missing or not valid](#)
- [4014: Two encoder control: Stop limit of positions difference exceeded](#)
- [5001: Target position exceeds positive SW limit](#)
- [5002: Target position exceeds negative SW limit](#)
- [5003: Positive SW limit reached](#)

- [5004: Negative SW limit reached](#)
- [5005: Start of movement not possible: Position controller inactive](#)
- [5006: Start of movement not possible: Axis not referenced](#)
- [5010: Move in pos. direction not possible: Pos. limit switch is closed](#)
- [5011: Move in neg. direction not possible: Neg. limit switch is closed](#)
- [5012: Start of movement not possible: Stop ramp active](#)
- [5013: Cyclic set value mode cannot be switched on: Movement active](#)
- [5015: Start of movement not possible: Homing procedure active](#)
- [5016: Parameter cannot be written: Homing procedure active](#)
- [5017: Homing procedure mode not possible: Position controller inactive](#)
- [5018: Homing procedure not possible: Movement active](#)
- [5019: Homing parameter outside the valid range](#)
- [5020: Homing procedure not possible: Both limit switches are closed](#)
- [5021: Limit switch closed: No direction change for this homing mode](#)
- [5022: Second limit switch signal received: Reference switch not found](#)
- [5023: Incorrect limit switch signal received for current movement direction](#)
- [5024: Cyclic set value mode aborted: Set positions missing](#)
- [5025: Homing offset with counting range correction cannot be set](#)
- [5026: Basis movement parameters \(with override\) exceed speed limit value](#)
- [5027: Basis movement parameters \(with override\) exceed acceleration limit value](#)
- [5028: Current movement is not a basis movement](#)
- [5029: Trigger ignored - remaining distance exceeds SW limit](#)
- [5030: Homing procedure mode not possible: Position controller active](#)
- [5031: Homing procedure mode not possible: Cyclic set values mode is off](#)
- [5032: Acceleration too low - braking distance exceeds positive SW limit](#)
- [5033: Acceleration too low - braking distance exceeds negative SW limit](#)
- [5034: Homing procedure not possible: Encoder error](#)
- [5035: Reference marks not detected](#)

- [5036: Acceleration stop limit exceeded](#)
- [5037: Homing procedure mode not possible: Wrong encoder type](#)
- [5038: Homing procedure mode not possible: Restore data invalid](#)
- [5039: Function not possible: Encoder error](#)
- [5101: Cam profile compensation gears: Limit values exceeded](#)
- [5102: Too many changes of cam profile per cycle \(master period too short\)](#)
- [5103: Slave trigger FIFO full](#)
- [5104: Slave trigger FIFO empty](#)
- [5105: Master trigger FIFO full](#)
- [5106: Master trigger FIFO empty](#)
- [5107: Cam coupling cannot be started: Parameter outside the valid range](#)
- [5108: Master compensation trigger FIFO full](#)
- [5109: Master compensation trigger FIFO empty](#)
- [5110: Cam coupling aborted: Cyclic set positions missing](#)
- [5111: Cam coupling aborted: Encoder error](#)
- [5112: Command not allowed: Cam profile coupling not active](#)
- [5113: Command not allowed: Controller is already active](#)
- [5114: Parameter cannot be written: Cam coupling active](#)
- [5115: Restart command not possible: The cam automat is not active](#)
- [5201: Parameter cannot be written: Drumsequencer active](#)
- [5202: Cam Control: Switch positions not in ascending order](#)
- [5300: Data block for upload is not available](#)
- [5301: Start cam automat linkage not possible: Parameter outside the valid range](#)
- [5302: Parameter cannot be written: Cam automat active](#)
- [5303: Cam profile data not available at index](#)
- [5304: Format error in cam profile data](#)
- [5311: Cam automat: Event leads to non initialized state](#)
- [5315: Download error: Cam profile data in use by cam automat or function block](#)

- [5316: Event type is not possible for entry in compensation gears](#)
- [5319: Cam profile data not allowed for state 0](#)
- [5329: No valid cam profile data or state deactivated](#)
- [6000: Master sampling time is not a multiple of position controller sampling time](#)
- [6001: Sync controller: Timeout for sync telegram occurred](#)
- [6002: Sync controller: Error tolerance of system time difference exceeded](#)
- [6008: Controller is already active](#)
- [6011: Controller is not in speed mode](#)
- [6014: Drive initialization active](#)
- [6015: CAN controller: CAN bus disturbance \(receive error counter greater 96\)](#)
- [6016: CAN controller: CAN bus disturbance \(transmit error counter greater 96\)](#)
- [6017: Software: Watchdog active](#)
- [6018: Hardware: 15V power supply fail](#)
- [6019: ACOPOS: Overcurrent](#)
- [6020: Hardware: 24V power supply fail](#)
- [6021: Low level at controller enable input](#)
- [6023: Voltage sag at controller enable input](#)
- [6024: Current was latched before conversion \(OpSys error in ABLS\)](#)
- [6025: Temperature was latched before conversion \(OpSys error in ABLS\)](#)
- [6026: Holding brake: Stator current limit exceeded during release](#)
- [6027: Holding brake: Manual operation not permitted](#)
- [6028: Holding brake: Undervoltage/-current \(wire breakage, check 24V supply\)](#)
- [6029: Holding brake: Control signal on and output status off](#)
- [6030: Holding brake: Brake output is active, but no brake entered in motor data](#)
- [6031: System module already deleted](#)
- [6032: Interface: FPGA configuration error](#)
- [6033: Type of servo amplifier is not supported by ACOPOS-firmware](#)
- [6034: Cyclic set value mode aborted: Set speeds missing](#)

- [6036: Motor parameters missing or invalid](#)
- [6038: Torque limit higher than peak motor torque](#)
- [6040: Operating system version is less than allowed minimum version](#)
- [6041: Operating system version is greater than allowed maximum version](#)
- [6042: Operating system version is not in the allowed range](#)
- [6043: PHASING\\_MODE is not valid](#)
- [6044: Phasing: Rotational direction or position not valid](#)
- [6045: Power stage: Connection X5: No current flow](#)
- [6046: Phasing: No rotor movement](#)
- [6047: Holding brake: Control signal off and output status on](#)
- [6048: Motor holding brake movement monitor: Position error too large](#)
- [6049: Power stage: Connection X5: Current measurement faulty](#)
- [6050: Write parameter not allowed: Set current filter or notch filter active](#)
- [6051: Phasing: Speed to high](#)
- [6052: Power stage: High-side: Overcurrent](#)
- [6053: Power stage: Low-side: Overcurrent](#)
- [6054: Power stage: Overcurrent](#)
- [6055: Holding brake: Low voltage](#)
- [6056: Holding brake: Low current](#)
- [6057: Position loop controller: Load encoder error](#)
- [6058: Enable1: Voltage sag](#)
- [6059: Enable2: Voltage sag](#)
- [6060: Power stage: Limit speed exceeded](#)
- [6061: CTRL Speed controller: Limit speed exceeded](#)
- [6062: CTRL Speed controller: Speed error stop limit exceeded](#)
- [6063: Holding brake: External voltage on output over 24V](#)
- [6064: Parameter cannot be written: Repetitive Control active](#)
- [6065: Initialization active](#)

- [6066: Index overflow while initialization of matrices](#)
- [6067: Error during initialization of the dynamical system](#)
- [7012: Encoder: Hiperface error bit](#)
- [7013: Encoder: Status message](#)
- [7014: Encoder: CRC error during parameter transfer](#)
- [7015: Encoder: Timeout error during parameter transfer](#)
- [7016: Encoder: Busy error during parameter transfer](#)
- [7017: Encoder: Error while reading encoder parameter](#)
- [7020: OEM data: Data write error](#)
- [7021: Encoder: Timeout error while reading absolute position](#)
- [7022: Encoder: Initialization is active](#)
- [7023: Encoder: Parameter transfer is active](#)
- [7029: Encoder: Incremental signal amplitude too small](#)
- [7030: Encoder: Incremental signal amplitude too large](#)
- [7031: Encoder: Incremental signal amplitude too large \(Disturbance\)](#)
- [7032: Encoder: Incremental signal amplitude too small \(Disturbance, no connection\)](#)
- [7033: Encoder: Incremental position step too large](#)
- [7036: Encoder: Interface ID invalid \(Check slot and Interface EEPROM data\)](#)
- [7038: Encoder: Position value not synchronous with absolute value](#)
- [7039: Incremental encoder: Cable disturbance track A](#)
- [7040: Incremental encoder: Cable disturbance track B](#)
- [7041: Incremental encoder: Cable disturbance track R](#)
- [7042: Incremental encoder: Edge distance of quadrature signal too small](#)
- [7043: Encoder: Cable disturbance track D](#)
- [7044: Encoder: Parity](#)
- [7045: Resolver: Signal disturbance \(plausibility check\)](#)
- [7046: Resolver: Cable disturbance](#)
- [7047: Invalid distance of reference marks](#)

- [7048: Error during the reading of encoder memory](#)
- [7049: Abnormal encoder current consumption](#)
- [7050: Incremental encoder: Illegal AB signal change](#)
- [7051: Encoder: Acceleration too large \(Disturbance\)](#)
- [7052: Encoder: Encoder is not Supported](#)
- [7053: Encoder: Power failure](#)
- [7054: Encoder: Position in channel already defined](#)
- [7055: Encoder: Invalid content type 'frame end'](#)
- [7056: Encoder: Register read forbidden or not implemented](#)
- [7057: Encoder: Register write forbidden or not implemented](#)
- [7058: Encoder: Alarm bit is set](#)
- [7059: Virtual Encoder: Error state](#)
- [7060: Virtual Encoder: Transition error](#)
- [7061: Virtual Encoder: stall detection](#)
- [7100: Parameter function not supported. \(Module ?\)](#)
- [7200: DC bus: Overvoltage](#)
- [7210: DC bus: Charging: Voltage unstable](#)
- [7211: DC bus: Voltage dip](#)
- [7212: DC bus: Large voltage dip](#)
- [7214: DC bus: Charging resistor hot \(too many power line fails\)](#)
- [7215: Power mains: At least one phase of the power line failed](#)
- [7217: DC bus: Nominal voltage detection: Voltage too high](#)
- [7218: DC bus: Nominal voltage detection: Voltage too low](#)
- [7219: DC bus: Charging: Voltage too low](#)
- [7220: DC bus: Nominal voltage detection: Voltage not allowed](#)
- [7221: Mains: Failure](#)
- [7222: Power stage: Summation current connection X5: Overcurrent \(Ground fault\)](#)
- [7223: DC bus: Overvoltage DC-GND](#)

- [7224: Connector to back plane: 24V-GND contact monitoring: Voltage too low](#)
- [7225: DC bus: Overvoltage](#)
- [7226: DC bus: Overcurrent](#)
- [7227: Bleeder: Overcurrent](#)
- [7300: Digital IO: IO Configuration invalid](#)
- [7401: Parameter position exceeds maximum data length](#)
- [7402: Processing of parameter sequence aborted: Write error](#)
- [7403: Processing of parameter sequence is still active](#)
- [7404: Parameter sequence not available at index](#)
- [8001: EEPROM select not valid](#)
- [8003: Table index not valid](#)
- [8004: EEPROM variable type not valid](#)
- [8005: EEPROM type not valid](#)
- [8006: Value of EEPROM parameter is zero](#)
- [8007: Value of EEPROM parameter is not valid](#)
- [8011: EPROM: Data not valid](#)
- [8020: Invalid switch frequency](#)
- [9000: Heatsink temperature sensor: Overtemperature - Movement stopped](#)
- [9001: Heatsink temperature sensor: Overtemperature - Limiter active](#)
- [9002: Heatsink temperature sensor: Not connected or damaged](#)
- [9003: Heatsink temperature sensor: Not connected or destroyed](#)
- [9010: Temperature sensor \(Motor|Choke|External\): Overtemperature](#)
- [9011: Temperature sensor \(Motor|Choke|External\): Overtemperature - Limiter active](#)
- [9012: Temperature sensor \(Motor|Choke|External\): Not connected or destroyed](#)
- [9013: Temperature sensor \(Motor|Choke|External\): Short circuit](#)
- [9030: Junction temperature model: Overtemperature - Movement stopped](#)
- [9031: Junction temperature model: Overtemperature - Limiter active](#)
- [9040: Bleeder temperature model: Overtemperature - Movement stopped](#)

- [9041: Bleeder temperature model: Overtemperature - Limiter active](#)
- [9050: ACOPOS peak current: Overload - Movement stopped](#)
- [9051: ACOPOS peak current: Overload - Limiter active](#)
- [9060: ACOPOS continuous current: Overload - Movement stopped](#)
- [9061: ACOPOS continuous current: Overload - Limiter active](#)
- [9070: Motor temperature model: Overload - Movement stopped](#)
- [9071: Motor temperature model: Overload - Limiter active](#)
- [9075: ACOPOS continuous power: Overload - Movement stopped](#)
- [9076: ACOPOS continuous power: Overload - Limiter active](#)
- [9078: Power stage: Temperature sensor 1: Overtemperature - Movement stopped](#)
- [9079: Power stage: Temperature sensor 1: Overtemperature - Limiter active](#)
- [9080: Charging resistor: Overtemperature](#)
- [9081: Power stage temperature model: Overtemperature - Movement stopped](#)
- [9082: Power stage temperature model: Overtemperature - Limiter active](#)
- [9083: Power stage: Temperature sensor 2: Overtemperature - Movement stopped](#)
- [9084: Power stage: Temperature sensor 2: Overtemperature - Limiter active](#)
- [9085: Power stage: Temperature sensor 3: Overtemperature - Movement stopped](#)
- [9086: Power stage: Temperature sensor 3: Overtemperature - Limiter active](#)
- [9087: Power stage: Temperature sensor 4: Overtemperature - Movement stopped](#)
- [9088: Power stage: Temperature sensor 4: Overtemperature - Limiter active](#)
- [9089: Motor encoder temperature sensor: Overtemperature](#)
- [9090: Motor encoder temperature sensor: Temperature value not valid](#)
- [9300: Current controller: Overcurrent](#)
- [10000: Identification parameter\(s\) missing](#)
- [10001: Parameter identification: Invalid sub-mode](#)
- [10100: Parameter identification: Quality factor not fulfilled](#)
- [10101: No ISQ-filter free](#)
- [10102: No resonance-frequency for ISQ-filter \(band-stop\) found](#)

- [10103: Autotuning: Maximum lag error exceeded](#)
- [10500: Induction stop was terminated](#)
- [31201: Di/Do Interface: Drive not ready](#)
- [31220: Encoder error: Encoder not configured](#)
- [31221: Encoder error: Cable disturbance or signal disturbance](#)
- [31224: Encoder Interface: HW Module not OK](#)
- [31240: Homing procedure mode not allowed with current HW Type](#)
- [31247: Drive Interface: DrvOK not set from HW Module](#)
- [31248: Trigger Interface: HW Module not OK](#)
- [31249: Drive Interface: HW Module not OK](#)
- [31250: Di/Do Interface: HW Module not OK](#)
- [31260: Current axis configuration only possible in simulation mode](#)
- [31261: Change mode for servo drive adjustment not allowed](#)
- [32001: Error calling CAN\\_xopen\(\)](#)
- [32002: Error defining Write COB for Broadcast Command](#)
- [32003: Error defining Write COB for Parameter Read Request](#)
- [32004: Error defining Write COB for Parameter Write Request](#)
- [32005: Error defining Read COB for Parameter Read Response](#)
- [32006: Error defining Read COB for Parameter Write Response](#)
- [32007: Error defining Read COB for Monitor Data from the drive](#)
- [32008: Error sending Read Request \(network error ?\)](#)
- [32009: Error sending Write Request \(network error ?\)](#)
- [32010: Drive not responding to Read Request \(is the drive in the network ?\)](#)
- [32011: Drive not responding to Write Request \(is the drive in the network ?\)](#)
- [32012: Error reading module description of system module](#)
- [32013: No operating system present on the drive](#)
- [32014: Operating system version on the drive not compatible with NC manager version](#)
- [32015: Error creating message queue](#)

- [32016: Error sending an idle time command to the NC Manager Task](#)
- [32017: Wrong boot state after start of operating system](#)
- [32018: Invalid Parameter ID in system module](#)
- [32019: Download of NC system module not allowed \(the module is on the PLC\)](#)
- [32020: System module data could not be read from the drive during NC manager INIT](#)
- [32021: System module data could not be read from the drive after download](#)
- [32022: Error aborting data block access before download](#)
- [32023: Error reading boot state before download](#)
- [32025: Wrong boot state after SW Reset before download](#)
- [32026: Error during INIT of data block write access for download](#)
- [32027: Error sending data segment for download](#)
- [32029: Response error after sending data segment for download](#)
- [32030: Error at command for system module burn after download](#)
- [32031: Error reading status for system module burn after download](#)
- [32032: Error while burning system module after download](#)
- [32033: Timeout while burning system module after download](#)
- [32034: Error at SW Reset before download](#)
- [32035: Error at SW Reset after download](#)
- [32036: Different system module data after download](#)
- [32037: Error message\(s\) lost because of FIFO overflow \(acknowledge errors\)](#)
- [32038: Error searching for INIT parameter module](#)
- [32039: Error reading INIT parameter module](#)
- [32040: Version of INIT parameter module is not compatible to NC manager](#)
- [32041: The module acp10cfg does not exist](#)
- [32042: The module acp10cfg is not an NC data module](#)
- [32043: The NC module type of the module acp10cfg is invalid](#)
- [32044: The NC module type of the module acp10cfg cannot be read](#)
- [32045: The data address in module acp10cfg cannot be read](#)

- [32046: The data section of module acp10cfg is empty](#)
- [32047: A CAN node number in module acp10cfg is invalid](#)
- [32048: A CAN node number in module acp10cfg is used repeatedly](#)
- [32049: This NC action is not allowed during Trace is active](#)
- [32050: A Trace Data Upload is already active](#)
- [32051: Invalid Trace Status for Trace Data Upload](#)
- [32053: Error defining Write COB for Parameter Read Request 2](#)
- [32054: Error defining Write COB for Parameter Write Request 2](#)
- [32055: Error defining Read COB for Parameter Read Response 2](#)
- [32056: Error defining Read COB for Parameter Write Response 2](#)
- [32057: Error accessing HS task class table](#)
- [32058: Error accessing task class table](#)
- [32059: Parameter tk\\_no invalid for access to task class table](#)
- [32060: Timeout for cyclic data from drive - Indications invalid \(network error ?\)](#)
- [32061: Timeout sending a Read Request telegram \(network error ?\)](#)
- [32062: Timeout sending a Write Request telegram \(network error ?\)](#)
- [32063: Data address zero \(set/read parameter via service interface\)](#)
- [32064: Convert text into binary data is not possible for this parameter data type](#)
- [32065: Convert binary data into text is not possible for this parameter data type](#)
- [32066: Parameter ID zero \(set/read parameter via service interface\)](#)
- [32067: Parameter ID invalid \(set/read parameter with option ncDATA\\_TEXT\)](#)
- [32069: The data address of the ACOPOS parameters in module acp10cfg cannot be read](#)
- [32070: Drive for ACOPOS parameters in module acp10cfg not found](#)
- [32071: The ACOPOS parameters are invalid \(an update of AutomationStudio is necessary\)](#)
- [32072: Wrong boot state after SW Reset](#)
- [32073: Download of NC system module: Error reading NC hardware version of BsLoader](#)
- [32074: Incompatible NC hardware version: Download of BsLoader not possible](#)
- [32075: Incompatible NC hardware version: Download of operating system not possible](#)

- [32076: FIFO for messages with high priority to NC Manager Task is full](#)
- [32077: A POWERLINK node number in module acp10cfg is invalid](#)
- [32078: A POWERLINK node number in module acp10cfg is used repeatedly](#)
- [32079: With this version one CAN interface must be in module acp10cfg](#)
- [32080: With this version one POWERLINK interface must be in module acp10cfg](#)
- [32081: With this version only one POWERLINK interface is allowed in module acp10cfg](#)
- [32082: Module acp10cfg contains a CAN interface without any drive node](#)
- [32083: Module acp10cfg contains a POWERLINK interface without any drive node](#)
- [32084: The NC configuration does not contain any ACOPoS module](#)
- [32085: Module acp10cfg invalid \(AutomationStudio V2.2 or higher necessary\)](#)
- [32086: With this version no CAN interface is allowed in module acp10cfg](#)
- [32087: With this version no POWERLINK interface is allowed in module acp10cfg](#)
- [32088: The INIT parameter module specified in the NC Mapping Table does not exist](#)
- [32089: NC-HW-ID of INIT parameter module is not compatible to NC manager](#)
- [32090: NC object type of INIT parameter module is not equal to NC object](#)
- [32091: Invalid block data in INIT parameter module \(data range exceeded\)](#)
- [32092: Error sending a command to the NC Idle Task](#)
- [32093: NcManCtrl is defined repeatedly with different values](#)
- [32094: NetworkInit is defined repeatedly for ncMANAGER with different values](#)
- [32095: Value of drive group in CAN-CFG-Module higher than maximum value](#)
- [32096: Size of data buffer for trace data upload in module acp10cfg too small](#)
- [32097: All counts of used network interfaces in module acp10cfg are zero](#)
- [32098: Version of the module acp10cfg is not compatible with NC manager](#)
- [32099: Length of data section of module acp10cfg is too small](#)
- [32100: Memory for NC error text management cannot be allocated](#)
- [32101: Error accessing NC error text module in BR module table](#)
- [32102: Version ID of error text module not equal to that of NC manager](#)
- [32103: Data section of error text module cannot be read](#)

- [32104: Data section of error text module is empty](#)
- [32105: Length of data section of error text module is too small](#)
- [32106: Error list of error text module not equal with that of NC manager](#)
- [32107: Parameter list of error text module not equal with that of NC manager](#)
- [32108: The last error number of error text module is not equal to 65535](#)
- [32109: The last parameter ID of error text module is not equal to 65535](#)
- [32110: Length of data section of CAN-CFG-Module cannot be read](#)
- [32111: Length of data section of CAN-CFG-Module is too small](#)
- [32112: The data address in the CAN-CFG-Module cannot be read](#)
- [32113: The enable code in the CAN-CFG-Module is invalid](#)
- [32114: Values not equal to zero in reserved area of CAN-CFG-Module](#)
- [32115: The basis CAN ID for WR/RD channel1 in the CAN-CFG-Module is invalid](#)
- [32116: The basis CAN ID for WR/RD channel2 in the CAN-CFG-Module is invalid](#)
- [32117: The basis CAN ID for WR/RD channel3 in the CAN-CFG-Module is invalid](#)
- [32118: The basis CAN ID for monitor data in the CAN-CFG-Module is invalid](#)
- [32119: Invalid basis CAN ID for cyclic data to the drive in CAN-CFG-Module](#)
- [32120: Invalid basis CAN ID for cyclic data from the drive in CAN-CFG-Module](#)
- [32121: The CAN ID for the SYNC telegram in the CAN-CFG-Module is invalid](#)
- [32122: The CAN ID for the broadcast command in the CAN-CFG-Module is invalid](#)
- [32123: Error defining Read COB for WR2 Request \(external set position mode\)](#)
- [32124: Error defining Read COB for WR2 Response \(external set position mode\)](#)
- [32125: Error defining Read COB for RD2 Request \(external set position mode\)](#)
- [32126: Error defining Read COB for RD2 Response \(external set position mode\)](#)
- [32127: Error deleting Write COB for Broadcast Command \(external set position mode\)](#)
- [32128: Error defining Read COB for Broadcast Command \(external set position mode\)](#)
- [32129: Error defining Read COB for cyclic user data from drive \(ext. set pos. mode\)](#)
- [32130: This external set position mode is only allowed with one CAN interface](#)
- [32131: The specified NC data module does not exist](#)

- [32132: The specified module is not an NC data module](#)
- [32133: The NC module type of the specified NC data module is invalid](#)
- [32134: The NC module type of the specified NC data module cannot be read](#)
- [32135: The data address of the specified NC data module cannot be read](#)
- [32136: The Data section of the specified NC data module is empty](#)
- [32137: Data address of structure for a data block operation is zero](#)
- [32138: Data address zero \(user data for data block operation\)](#)
- [32139: Data length zero \(user data for data block operation\)](#)
- [32140: Data block operation: Data module name or data address must be zero](#)
- [32141: Invalid data format in a parameter sequence](#)
- [32142: ID or type of a parameter invalid in parameter sequence with text format](#)
- [32143: Data of a parameter in a parameter sequence longer than 6 bytes](#)
- [32144: Error for an ACOPoS Parameter Table specified in the NC Mapping Table](#)
- [32145: The ACOPoS Parameter Table does not exist](#)
- [32146: The ACOPoS Parameter Table is not an NC data module](#)
- [32147: The NC module type of the ACOPoS Parameter Table is invalid](#)
- [32148: The NC module type of the ACOPoS Parameter Table cannot be read](#)
- [32149: The data address in the ACOPoS Parameter Table cannot be read](#)
- [32150: The data section of the ACOPoS Parameter Table is empty](#)
- [32151: Error initializing memory buffer for XML parser](#)
- [32152: No XML elements present in an ACOPoS Parameter Table](#)
- [32153: The first XML element is invalid in the ACOPoS Parameter Table](#)
- [32154: The ACOPoS Parameter Table does not contain any ACOPoS parameters](#)
- [32155: Nesting depth for ACOPoS parameter groups exceeded](#)
- [32156: ID or type of an ACOPoS parameter invalid for text conversion](#)
- [32157: Length of parameter data too large for ACOPoS parameter in XML data](#)
- [32158: ACOPoS parameter: An attribute is not defined \(ID\)](#)
- [32159: ACOPoS parameter: An attribute is not defined \(Value\)](#)

- [32160: Basis movements with mode ncTRG\\_STOP are not allowed for ncv\\_AXIS](#)
- [32161: ncNC\\_SYS\\_RESTART,ncACKNOWLEDGE is not allowed \(network.init=ncFALSE\)](#)
- [32162: Internal task class number wrong \(from now on operation is blocked !!!\)](#)
- [32163: A system module download to all drives is not possible with SwNodeSelect](#)
- [32164: The text defined with NetworkInit \(global\) is invalid](#)
- [32165: A CAN node number is equal to NodeNr\\_SwNodeSelect](#)
- [32166: Network initialization during active network initialization not allowed](#)
- [32167: The text defined with NetworkInit is invalid](#)
- [32168: NodeNr\\_SwNodeSelect is defined repeatedly with different values](#)
- [32169: The node number defined with NodeNr\\_SwNodeSelect is invalid](#)
- [32170: A data module name has to be entered for this data block operation](#)
- [32171: Index zero is not allowed \(user data for data block operation\)](#)
- [32172: The specified data module name is not valid for a BR module](#)
- [32173: Memory for data module creation cannot be allocated](#)
- [32174: Error with installation of data module into BR module table](#)
- [32175: Error with installation of data module into BR module table](#)
- [32176: Text for parameter data too large for parameter sequence with text format](#)
- [32177: Text for parameter data too large for parameter list with text format](#)
- [32178: This NC object is not enabled for this ACOPOS \(channel number too high\)](#)
- [32179: ID or type of a parameter invalid in parameter list with text format](#)
- [32180: Data address of structure for a parameter list operation is zero](#)
- [32181: Data address zero \(user data for parameter list operation\)](#)
- [32182: Data length zero \(user data for parameter list operation\)](#)
- [32183: Data length invalid \(user data for parameter list operation\)](#)
- [32184: Invalid data format in a parameter list](#)
- [32185: Data of a parameter in a parameter list longer than 6 bytes](#)
- [32186: NetBasisInitNr is defined repeatedly for ncMANAGER with different values](#)
- [32187: Error for synchronization of network initialization \(details in Logger\)](#)

- [32188: This NC object is defined in hardware configuration and NC Mapping Table](#)
- [32189: Timeout for cyclic data from drive - Indications invalid \(network error ?\)](#)
- [32190: Error defining Write COB for selection of node number via software](#)
- [32191: This parameter ID is reserved for the PLCopen MC library](#)
- [32192: The specified data module is not an INIT Parameter module](#)
- [32193: For this NC object type no INIT parameter module is present](#)
- [32194: This function is not implemented for this NC object type](#)
- [32195: Error downloading BsLoader to ACOPOS](#)
- [32196: Error downloading operating system to ACOPOS](#)
- [32197: Error downloading BsLoader to ACOPOS \(additional info in Logger\)](#)
- [32198: Error downloading operating system to ACOPOS \(additional info in Logger\)](#)
- [32200: Error calling plAcycWrite\(\) \(read parameter\)](#)
- [32201: Error calling plAcycWrite\(\) \(write parameter\)](#)
- [32202: Error calling plAcycRead\(\) \(read parameter\)](#)
- [32203: Error calling plAcycRead\(\) \(write parameter\)](#)
- [32204: Timeout while reading par. via acyclic channel \(is the drive in the network ?\)](#)
- [32205: Timeout while writing par. via acyclic channel \(is the drive in the network ?\)](#)
- [32206: Cyclic channel: Read Request in spite of Wait for Response](#)
- [32207: Cyclic channel: Write Request in spite of Wait for Response](#)
- [32208: Error using plAction\(DEVICE\\_TO\\_BUS\\_NR\) \(additional info in Logger\)](#)
- [32209: Error using plAction\(GET\\_IDENT\) \(additional info in Logger\)](#)
- [32210: Wrong interface ident when calling plState\(\) \(additional info in Logger\)](#)
- [32211: Interface not available when calling plState\(\) \(additional info in Logger\)](#)
- [32212: Fatal interface error when calling plState\(\) \(additional info in Logger\)](#)
- [32213: Timeout for POWERLINK interface \(additional info in Logger\)](#)
- [32214: Error calling plAcycOpen\(\) \(additional info in Logger\)](#)
- [32215: Error calling plCECreate\(\) \(additional info in Logger\)](#)
- [32216: Error using plAction\(GET\\_IF\\_PAR\) \(additional info in Logger\)](#)

- [32217: Broadcast channel: Error calling plAcycWrite\(\) \(read parameter\)](#)
- [32218: Broadcast channel: Error calling plAcycWrite\(\) \(write parameter\)](#)
- [32219: Error using plAction\(GET\\_IF\\_MUXPRESCALE\) \(additional info in Logger\)](#)
- [32220: Error using plAction\(GET\\_IF\\_CYCLE\\_TIME\) \(additional info in Logger\)](#)
- [32221: Error using plAction\(GET\\_IF\\_PRESCALE\) \(additional info in Logger\)](#)
- [32222: Error using plAction\(GET\\_STATIONFLAG\) \(additional info in Logger\)](#)
- [32223: Error calling plGetNodeInfo\(\) \(additional info in Logger\)](#)
- [32224: Error calling plAction\(GET\\_PROTOCOL\\_VERSION\) \(additional info in Logger\)](#)
- [32225: This ACOPOS POWERLINK node does not exist in the AR Configuration](#)
- [32226: A SDC node number in module acp10cfg is invalid](#)
- [32227: A SDC node number in module acp10cfg is used repeatedly](#)
- [32228: There is no network interface \(POWERLINK or SDC\) contained in acp10cfg](#)
- [32229: The object acp10sdc does not exist \(necessary for SDC NC objects\)](#)
- [32230: Error at initialization of ACP10SDC or ACP10SIM \(see Logger\)](#)
- [32231: Error at SDC configuration \(see Logger\)](#)
- [32232: The object acp10sim does not exist \(necessary for ACOPOS simulation\)](#)
- [32233: The object acp10bsl contains no NC system module](#)
- [32234: The object acp10sys contains no NC system module](#)
- [32235: Data address zero for parameter in parameter sequence](#)
- [32236: Data address zero for parameter in parameter list](#)
- [32237: Channel index for ACOPOS parameters in module acp10cfg is invalid](#)
- [32238: This function is not implemented at this time](#)
- [32239: Basic memory for INIT parameter modules could not be allocated](#)
- [32240: NC object data invalid \(PV with INIT value in variable declaration ?\)](#)
- [32241: Data block operation: Data module name must be zero](#)
- [32242: Conditions for cam profile transfer via Systick-Task are not fulfilled](#)
- [32243: Error using plAction\(GET\\_PDO\\_INFO\) \(additional info in Logger\)](#)
- [32244: No PDO defined in the cyclic frame for this channel: NC object is disabled](#)

- [32245: The Memory for operating the broadcast channel cannot be allocated](#)
- [32246: 'Direction' of the POWERLINK broadcast channel is not 'Output'](#)
- [32247: Error using plAction\(GET\\_TC\\_INFO\) \(additional info in Logger\)](#)
- [32251: NcNetCyc: Response timeout](#)
- [32252: NcNetCyc: Unexpected Response \(invalid counter value\)](#)
- [32253: The task class for POWERLINK output cycle trigger is invalid](#)
- [32259: There are currently no trace data to be saved](#)
- [32260: Trace: No valid test data point is defined](#)
- [32261: Trace trigger: The NC object is invalid](#)
- [32262: Trace test data point: The NC object is invalid](#)
- [32263: Trace trigger: The NC object is not enabled for this ACOPOS](#)
- [32264: Trace test data point: The NC object is not enabled for this ACOPOS](#)
- [32265: Trace trigger: Trace for this NC object already active at trace start](#)
- [32266: Trace test data point: Trace for this NC object already active at trace start](#)
- [32267: Trace trigger: The NC object is not enabled for trace commands](#)
- [32268: Trace test data point: The NC object is not enabled for trace commands](#)
- [32269: Trace: Too many test data points defined for one trace channel](#)
- [32270: ACOPOS coupling: The channel number of the send data is invalid](#)
- [32271: ACOPOS coupling: The channel number of the receive data is invalid](#)
- [32272: ACOPOS coupling: Send data with this channel number are not configured](#)
- [32273: ACOPOS coupling: The NC object of the send data is invalid](#)
- [32274: Network coupling: The broadcast channel was not configured](#)
- [32275: Network coupling: The broadcast channel was not successfully initialized](#)
- [32276: Network coupling: Cycle times not equal \(network interfaces, NC task class\)](#)
- [32277: Network coupling: In the broadcast channel no more data record has place](#)
- [32278: ACOPOS coupling: Zero as Parameter ID of the send data is not allowed](#)
- [32279: Service interface: Data address zero](#)
- [32280: Timeout for enable of acyclic network communication](#)

- [32281: Version of SafeMC lower than minimum version \(see Logger\)](#)
- [32282: Network coupling: Incompatible cycle times \(network interfaces, NC task class\)](#)
- [32283: INIT broadcast data point: Call of NC action only allowed in NC Manager TC](#)
- [32284: Ext. coupling data: With this AR/NC version only for TC1 with synchr. output](#)
- [32285: INIT broadcast data point: Incompatible cycle times \(POWERLINK, NC manager\)](#)
- [32286: Network coupling: Incompatible cycle times \(network interfaces, NC task class\)](#)
- [32287: Extended coupling data not possible \(OutTime difference too large\)](#)
- [32288: Extended coupling data not possible \(task class tolerance is not zero\)](#)
- [32302: Start setup not possible: A setup operation is already active](#)
- [32322: Data block upload/download: The data object name is zero](#)
- [32323: Data block upload/download: The data block parameter ID is invalid](#)
- [32324: Data block upload/download: The parameter ID of data block index 1 is invalid](#)
- [32325: Data block upload/download: The parameter ID of data block index 2 is invalid](#)
- [32326: Data block upload/download: Address of data buffer is zero](#)
- [32327: Data block upload/download: Length of data buffer is zero](#)
- [32328: Data block upload: Length of data buffer lower than length of data block](#)
- [32398: acp10sys does not contain an operating system for this ACOPOS hardware type](#)
- [32399: Manual ACOPOS restart \(POWER-OFF/-ON\) after NCSYS download necessary](#)
- [32400: Memory cannot be allocated](#)
- [32401: No file name specified](#)
- [32402: The specified file cannot be opened](#)
- [32403: The specified file cannot be created](#)
- [32404: Error at writing into a file](#)
- [32405: Error at reading from a file](#)
- [32406: The specified file cannot be created](#)
- [32407: Error at writing into a file](#)
- [32408: Error at closing a file](#)
- [32409: The specified file cannot be deleted](#)

- [32410: The data object type is invalid](#)
- [32411: The address of the data object structure is zero](#)
- [32412: The name in the data object structure is zero](#)
- [32413: The data address in the data object structure is zero](#)
- [32414: The data length in the data object structure is zero](#)
- [32415: No File Device specified](#)
- [32416: The FileIO functions do not exist \(is library FileIO existing ?\)](#)
- [32417: Error at writing into an NC data module](#)
- [32418: No XML elements present in MTC data](#)
- [32419: MTC data: XML elements invalid or in wrong order](#)
- [32420: The MTC data contain an invalid configuration](#)
- [32421: The MTC data contain no configuration for Multi Axes Trace](#)
- [32422: The MTC data contain more than one configuration for Multi Axes Trace](#)
- [32423: MTC-Daten: Trigger.NcObject ist invalid](#)
- [32424: MTC-Daten: Trigger.Condition ist invalid](#)
- [32425: MTC-Daten: Channel.NcObject ist invalid](#)
- [32426: Trace trigger: The event is invalid](#)
- [32427: Trace trigger: Parameter ID zero not allowed if event unequal to OFF](#)
- [32428: The data object format is invalid](#)
- [32492: ACOPOS Simulation: TC for cyclic PLCopen data not equal to NC Manager TC](#)
- [32494: AcoposSimulation=Off for one channel although activated for the other channel](#)
- [32495: AcoposSimulation: Different values defined for real and virtual axis](#)
- [32496: Error creating cyclic task for PLCopen MC \(details in Logger\)](#)
- [32497: Task class for handling of cyclic data with PLCopen in acp10cfg is invalid](#)
- [32498: PLCopen\\_CyclicData\\_TaskClass is lower than zero or higher than maximum value](#)
- [32499: PLCopen\\_CyclicData\\_TaskClass: Values for real and virtual axis are not equal](#)
- [32500: The Message FIFO already exists](#)
- [32501: Error creating Message FIFO](#)

- [32502: The Critical Section for Command Semaphore already exists](#)
- [32503: Error creating Critical Section for Command Semaphore](#)
- [32504: The NC Manager Idle Task already exists](#)
- [32505: Error creating NC Manager Idle Task](#)
- [32506: Error reading Taskclass Cycle Time](#)
- [32507: Error reading Taskclass Tolerance](#)
- [32508: Error sending an idle time command to the NC Manager Task](#)
- [32509: The Critical Section for Network Command Trace already exists](#)
- [32510: Error creating Critical Section for Network Command Trace](#)
- [32511: The Critical Section for messages with high priority already exists](#)
- [32512: Error creating Critical Section for messages with high priority](#)
- [32513: The Critical Section for global variables already exists](#)
- [32514: Error creating Critical Section for global variables](#)
- [32738: Error writing into SDM Motion FIFO](#)
- [32739: Error creating SDM Motion FIFO \(see Logger\)](#)
- [32740: Error deleting SDM Motion FIFO \(see Logger\)](#)
- [32741: Error creating SDM Motion task \(see Logger\)](#)
- [32742: Error deleting SDM Motion task \(see Logger\)](#)
- [32743: SDM\\_Motion\\_Action: ncaction\(\) did not return with ncOK](#)
- [32744: SDM\\_Motion\\_Action not allowed \(still no Trace configuration loaded\)](#)
- [32745: SDM\\_Motion\\_Action not allowed \(Motion Trace already started by application\)](#)
- [32746: SDM\\_Motion\\_Action not allowed \(Motion Trace already started by SDM\)](#)
- [32747: SDM\\_Motion\\_Action: DataAddress is zero or defined](#)
- [32748: SDM\\_Motion\\_Action: DataLen is zero or defined](#)
- [32749: SDM\\_Motion\\_Action: BrModName is too long](#)
- [32750: SDM\\_Motion\\_Action: BrModName is not defined](#)
- [32751: SDM\\_Motion\\_Action: FileName is not defined](#)
- [32752: SDM\\_Motion Action not possible: AR function does not exist \(see Logger\)](#)

- [32753: SDM\\_Motion\\_Action: CREATE\\_NCOBJ\\_LIST must be called before this action](#)
- [32754: SDM\\_Motion\\_Action: The NC object type is invalid for this action](#)
- [32755: SDM\\_Motion\\_Action: Memory free error](#)
- [32756: SDM\\_Motion\\_Action: Memory alloc error](#)
- [32757: SDM\\_Motion\\_Action: This action is not yet implemented](#)
- [32758: SDM\\_Motion\\_Action: The NC object ident is invalid for this action](#)
- [32759: SDM\\_Motion\\_Action: The NC object ident must be zero for this action](#)
- [32760: SDM\\_Motion\\_Action: Pointer of exit function arguments is zero or not defined](#)
- [32761: SDM\\_Motion\\_Action: Pointer of exit function is zero or not defined](#)
- [32762: SDM\\_Motion\\_Action: The first XML element in input data is invalid](#)
- [32763: SDM\\_Motion\\_Action: No XML element in input data](#)
- [32764: SDM\\_Motion\\_Action: Error initializing memory buffer for XML parser](#)
- [32765: SDM\\_Motion\\_Action: Length of XML input data is zero](#)
- [32766: SDM\\_Motion\\_Action: Pointer of XML input data is zero](#)
- [32767: SDM\\_Motion\\_Action: Invalid actionID](#)
- [33000: Master cycle time is not a multiple of communication cycle time](#)
- [33002: Floating-Point exception](#)
- [33003: Address error exception](#)
- [33004: Bus error exception](#)
- [33005: Exception](#)
- [33006: Access violation Exception](#)
- [33007: Violation address](#)
- [33008: FPGA: CRC error: Address](#)
- [33009: FPGA: CRC error: Byte](#)
- [35000: SMC Fail Safe: Internal error, Program flow](#)
- [35001: SMC Fail Safe: Internal error, NULL pointer access](#)
- [35002: SMC Fail Safe: Internal error, SPI transfer](#)
- [35003: SMC Fail Safe: Internal error, MFW NVM data memory](#)

- [35004: SMC Fail Safe: Internal error, Communication EnDat Master](#)
- [35005: SMC Fail Safe: Internal error, Communication ACOPOS](#)
- [35006: SMC Fail Safe: Internal error, Communication Encoder](#)
- [35016: SMC Fail Safe: Internal error, Cross communication of checkpoints](#)
- [35017: SMC Fail Safe: Internal error, Cross communication of statusword](#)
- [35018: SMC Fail Safe: Internal error, Cross communication of output state](#)
- [35019: SMC Fail Safe: Internal error, Cross communication of EnDat position](#)
- [35020: SMC Fail Safe: Internal error, Cross communication of EnDat error register](#)
- [35021: SMC Fail Safe: Internal error, Cross communication of EnDat state machine](#)
- [35022: SMC Fail Safe: Internal error, Cross communication of EnDat state machine](#)
- [35023: SMC Fail Safe: Internal error, Cross communication of EnDat state machine](#)
- [35024: SMC Fail Safe: Encoder configuration - Units per number of revolution invalid](#)
- [35025: SMC Fail Safe: Encoder configuration - Normalized maximal speed invalid](#)
- [35026: SMC Fail Safe: Encoder configuration - Encoder resolution too low](#)
- [35027: SMC Fail Safe: Encoder configuration - Encoder resolution too high](#)
- [35028: SMC Fail Safe: Encoder configuration - Units resolution too high](#)
- [35029: SMC Fail Safe: Encoder configuration - One unit is shorter than one nm](#)
- [35030: SMC Fail Safe: Encoder mismatch - Configuration data changed several times](#)
- [35031: SMC Fail Safe: Encoder mismatch - Configuration data changed](#)
- [35032: SMC Fail Safe: Wrong parameterization](#)
- [35033: SMC Fail Safe: Modul cycle time is not valid](#)
- [35034: SMC Fail Safe: Parameterization - Deceleration ramp is too steep](#)
- [35035: SMC Fail Safe: Internal state machine is in Fail Safe State](#)
- [35036: SMC Fail Safe: Deactivated safety function was requested](#)
- [35037: SMC Fail Safe: SMS - Speed limit is out of range](#)
- [35038: SMC Fail Safe: SLS1 - Speed limit is out of range](#)
- [35039: SMC Fail Safe: SLS2 - Speed limit is out of range](#)
- [35040: SMC Fail Safe: SLS3 - Speed limit is out of range](#)

- [35041: SMC Fail Safe: SLS4 - Speed limit is out of range](#)
- [35042: SMC Fail Safe: Standstill speed limit is out of range](#)
- [35043: SMC Fail Safe: SLS1 - Speed limit violates the configuration instruction](#)
- [35044: SMC Fail Safe: SLS2 - Speed limit violates the configuration instruction](#)
- [35045: SMC Fail Safe: SLS3 - Speed limit violates the configuration instruction](#)
- [35046: SMC Fail Safe: SLS4 - Speed limit violates the configuration instruction](#)
- [35047: SMC Fail Safe: Standstill Speed limit violates the configuration instruction](#)
- [35048: SMC Fail Safe: Violation of parameter limits](#)
- [35049: SMC Fail Safe: SMP is used but Homing was not configured](#)
- [35050: SMC Fail Safe: SMP - Lower position limit is greater or equal than upper limit](#)
- [35051: SMC Fail Safe: SLP is used but Homing was not configured](#)
- [35052: SMC Fail Safe: SLP - Lower position limit is greater or equal than upper limit](#)
- [35053: SMC Fail Safe: SLP - Position window outside SMP position window](#)
- [35054: SMC Fail Safe: SMP - Tolerance is greater than SMP position window](#)
- [35055: SMC Fail Safe: SLP - Tolerance is greater than SLP position window](#)
- [35056: SMC Fail Safe: Value of Deceleration ramp is out of range](#)
- [35068: SMC Fail Safe: Homing - Max. trigger speed is out of range](#)
- [35069: SMC Fail Safe: Homing - Ref Switch: No reference switch connected](#)
- [35070: SMC Fail Safe: Homing - Home Offset: No absolute encoder connected](#)
- [35071: SMC Fail Safe: Homing - Home Offset with Correction: SMP not configured](#)
- [35072: SMC Fail Safe: Homing - SMP window is greater than safe absolute encoder range](#)
- [35073: SMC Fail Safe: Homing - SLP window is greater than safe absolute encoder range](#)
- [35074: SMC Fail Safe: Homing - Encoder doesn't support a safe reference pulse](#)
- [35075: SMC Fail Safe: Homing - Speed tolerance is out of range](#)
- [35076: SMC Fail Safe: Homing - reference pulse : Max. trigger speed is too big](#)
- [35077: SMC Fail Safe: Homing - Function is requested but not configured](#)
- [35078: SMC Fail Safe: Homing - RefSwitch bit is set but not configured](#)
- [35079: SMC Fail Safe: Homing - Position is out of SMP window](#)

- [35080: SMC Fail Safe: Homing - Direct with reference pulse: Not supported](#)
- [35081: SMC Fail Safe: Internal error, Cross communication of output signals](#)
- [35082: SMC Fail Safe: Internal error, Cross communication of output state machine](#)
- [35084: SMC Fail Safe: Program error in PreOperational state](#)
- [35085: SMC Fail Safe: Safe output - Stuck at high detected](#)
- [35086: SMC Fail Safe: Safe output - Test state has changed](#)
- [35087: SMC Fail Safe: Encoder - Speed limit exceeded](#)
- [35088: SMC Fail Safe: Encoder - Acceleration limit exceeded](#)
- [35091: SMC Fail Safe: Encoder mismatch detected](#)
- [35092: SMC Fail Safe: Internal error, Lockbit set](#)
- [35093: SMC Fail Safe: Velocity error tolerance too large](#)
- [35094: SMC Fail Safe: Lag error tolerance too large](#)
- [35095: SMC Fail Safe: Encoder - Configuration error](#)
- [35096: SMC Fail Safe: Homing - Configuration error](#)
- [35153: SMC: Interner error, CUnit test](#)
- [35161: SMC Fail Safe: Incompatible parameter structure](#)
- [35162: SMC Fail Safe: Incompatible axis type](#)
- [35163: SMC Fail Safe: Error in PreOperational function](#)
- [35197: SMC Functional Fail Safe: SS2, SOS Violation of standstill position tolerance](#)
- [35198: SMC Functional Fail Safe: Encoder error was detected](#)
- [35199: SMC Functional Fail Safe: SDI - Violations of the safe direction](#)
- [35200: SMC Functional Fail Safe: SDI - Violation of the positive direction](#)
- [35201: SMC Functional Fail Safe: SDI - Violation of the negative direction](#)
- [35202: SMC Functional Fail Safe: SLI - Violation of standstill speed limit](#)
- [35203: SMC Functional Fail Safe: SLI - Violation of position window \(increments\)](#)
- [35204: SMC Functional Fail Safe: Violation of the actual speed limit](#)
- [35205: SMC Functional Fail Safe: Violation of the deceleration ramp](#)
- [35206: SMC Functional Fail Safe: SMS - Violation of the speed limit](#)

- [35207: SMC Functional Fail Safe: SOS - Violation of the speed limit](#)
- [35208: SMC Functional Fail Safe: SS2 - Violation of the speed limit](#)
- [35209: SMC Functional Fail Safe: SLS1 - Violation of the speed limit](#)
- [35210: SMC Functional Fail Safe: SLS2 - Violation of the speed limit](#)
- [35211: SMC Functional Fail Safe: SLS3 - Violation of the speed limit](#)
- [35212: SMC Functional Fail Safe: SLS4 - Violation of the speed limit](#)
- [35213: SMC Functional Fail Safe: Alive test of set position was not executed](#)
- [35214: SMC Functional Fail Safe: Warning on output was not acknowledged](#)
- [35215: SMC Functional Fail Safe: Alive test - Monitoring timeout](#)
- [35216: SMC Functional Fail Safe: SMP - Homing timeout exceeded](#)
- [35217: SMC Functional Fail Safe: SMP - Violation of the deceleration ramp](#)
- [35218: SMC Functional Fail Safe: SLP - Violation of the deceleration ramp](#)
- [35219: SMC Functional Fail Safe: SMP - Violation of lower SMP limit](#)
- [35220: SMC Functional Fail Safe: SMP - Violation of upper SMP limit](#)
- [35221: SMC Functional Fail Safe: SLP - Violation of lower SLP limit](#)
- [35222: SMC Functional Fail Safe: SLP - Violation of upper SLP limit](#)
- [35223: SMC Functional Fail Safe: SMP - Movement in neg. direction outside SMP limit](#)
- [35224: SMC Functional Fail Safe: SMP - Movement in pos. direction outside SMP limit](#)
- [35225: SMC Functional Fail Safe: SLP requested, axis is not homed yet](#)
- [35226: SMC Functional Fail Safe: SMP, SLP - Internal error](#)
- [35227: SMC Functional Fail Safe: SMP, SLP - INT32 overflow of absolute position](#)
- [35228: SMC Functional Fail Safe: Homing - Timeout elapsed](#)
- [35229: SMC Functional Fail Safe: Homing - Standstill Speed tolerance violated](#)
- [35230: SMC Functional Fail Safe: Homing reference pulse - Max. trigger speed exceeded](#)
- [35231: SMC Functional Fail Safe: Homing - Movement invalid](#)
- [35232: SMC Functional Fail Safe: Homing offset - Position outside INT32 range](#)
- [35233: SMC Functional Fail Safe: Homing offset - Violation of safe encoder range](#)
- [35234: SMC: Encoder mismatch - Length of encoder configuration data changed](#)

- [35235: SMC: Encoder mismatch - Serial number of encoder changed](#)
- [35236: SMC: Encoder mismatch - Version changed or no encoder data stored](#)
- [35237: SMC: Encoder mismatch - EnDat master configuration register changed](#)
- [35238: SMC: Encoder - EnDat Master state error register is set](#)
- [35239: SMC Functional Fail Safe: Homing failed](#)
- [35240: SMC Functional Fail Safe: Violation of safety function](#)
- [35241: SMC Functional Fail Safe: Function block switched back into IDLE state](#)
- [35243: SMC Functional Fail Safe: Safe output - Teststate has changed](#)
- [35244: SMC: Encoder - Received position not valid](#)
- [35245: SMC: Encoder mismatch detected](#)
- [35246: SMC: Encoder - Initialization error](#)
- [35247: SMC: Encoder - Debug information](#)
- [35248: SMC: Internal error, Lockbit set](#)
- [35249: SMC: Encoder - SafeSpeed exceeded INT16 range](#)
- [35250: SMC: Encoder - EnDat Master encoder error register is set](#)
- [35251: SMC: Velocity error limit exceeded](#)
- [35252: SMC: Position lag error limit exceeded](#)
- [35253: SMC: Encoder - Rounding error due to parametrization](#)
- [35254: SMC: Encoder - Length of physical reference system too large](#)
- [35255: SMC Fail Safe: Encoder - Acceleration limit exceeded](#)
- [36001: Parameter limited to valid range](#)
- [36002: Total time for the position loop controller limited to prediction time](#)
- [37101: Calculated compensation distance on slave axis limited to maximum](#)
- [37102: Calculated compensation distance on slave axis limited to minimum](#)
- [37103: Slave trigger outside of window](#)
- [37104: Slave trigger missing](#)
- [37105: Master compensation trigger outside of window](#)
- [37107: Displacement actual/set position too high during 'controller switch on'](#)

- [37108: Calculated compensation distance of master axis limited to minimum](#)
- [37109: Master trigger outside of window](#)
- [37110: Master position at start higher than first trigger position](#)
- [37111: Cam profile data: Difference between polynomial value  \$y\(x\_n\)\$  and slave period](#)
- [37112: Polynomial within cam profile data exceeds limit value](#)
- [37113: Cam profile compensation gears: Limit values exceeded](#)
- [38000: Current controller: Motor speed is too high during switching on](#)
- [38001: Torque limiter: Limit value too high](#)
- [38003: Motor holding brake: Test torque was limited](#)
- [38004: Motor holding brake: Test torque less than load torque](#)
- [38005: Motor test: Speed is too high during switch on](#)
- [38006: Current controller: Permissible current offset values exceeded](#)
- [38007: System administration: BsLoader activ: Jumper plugged](#)
- [38008: Bleeder: No current flow](#)
- [38100: Memory test: Read error](#)
- [38101: Memory test: Write error](#)
- [39001: Encoder: Position correction active](#)
- [39002: Resolver: Speed limit for 14 bit resolution exceeded](#)
- [39003: EnDat encoder: Alarm bit is set](#)
- [39004: EnDat encoder: Alarm bit - Lighting failure](#)
- [39005: EnDat encoder: Alarm bit - Signal amplitude too small](#)
- [39006: EnDat encoder: Alarm bit - Position value contains an error](#)
- [39007: EnDat encoder: Alarm bit - Overvoltage](#)
- [39008: EnDat encoder: Alarm bit - Undervoltage](#)
- [39009: EnDat encoder: Alarm bit - Overcurrent](#)
- [39010: EnDat encoder: Alarm bit - Battery change required](#)
- [39011: EnDat encoder: Warning bit - Frequency too high](#)
- [39012: EnDat encoder: Warning bit - Temperature too high](#)

- [39013: EnDat encoder: Warning bit - Lighting reserve reached](#)
- [39014: EnDat encoder: Warning bit - Battery charge too low](#)
- [39016: Incremental encoder emulation: Frequency too high](#)
- [39017: Encoder: CRC error while reading position](#)
- [39018: Reference pulse monitoring: Faulty position, resolution, or reference pulse](#)
- [39019: Serial encoder interface: Stop bit error](#)
- [39020: Serial encoder interface: Receive data overrun](#)
- [39021: Serial encoder interface: Send data error](#)
- [39022: EnDat encoder: Warning bit is set](#)
- [39023: EnDat encoder: CRC error while reading EnDat2.2 additional information](#)
- [39024: EnDat encoder: Operating status error sources: M ALL Power down](#)
- [39025: EnDat encoder: Operating status error sources: M Overflow / Underflow](#)
- [39026: EnDat encoder: Type 3 error while reading EnDat2.2 additional information](#)
- [39027: Encoder Emulation: 5V power supply fail](#)
- [39028: Encoder: Multiturn failure](#)
- [39029: Encoder: Battery charge too low](#)
- [39030: Encoder: Warning bit is set](#)
- [39031: Encoder: Timeout error during parameter transfer](#)
- [39032: EnDat encoder: Operating status error sources: Lighting](#)
- [39033: EnDat encoder: Operating status error sources: Signal amplitude](#)
- [39034: EnDat encoder: Operating status error sources: S Pos 1](#)
- [39035: EnDat encoder: Operating status error sources: Overvoltage](#)
- [39036: EnDat encoder: Operating status error sources: Undervoltage](#)
- [39037: EnDat encoder: Operating status error sources: over current](#)
- [39038: EnDat encoder: Operating status error sources: Temperature exceeded](#)
- [39039: EnDat encoder: Operating status error sources: S Pos](#)
- [39040: EnDat encoder: Operating status error sources: S system](#)
- [39041: EnDat encoder: Operating status error sources: S ALL power down](#)

- [39042: EnDat encoder: Operating status error sources: M Pos 1](#)
- [39043: EnDat encoder: Operating status error sources: M Pos 2](#)
- [39044: EnDat encoder: Operating status error sources: M System](#)
- [39045: EnDat encoder: Operating status error sources: M battery](#)
- [39301: Digital IO: 24V power supply fail](#)
- [39302: Digital IO 1-4: Diagnose bit active \(current, 24V supply\)](#)
- [39303: Digital IO 5-8: Diagnose bit active \(current, 24V supply\)](#)
- [39305: Digital IO 10: Diagnose bit active \(current, temperature\)](#)
- [39306: Digital IO 9: Diagnose bit active \(current, temperature\)](#)
- [39307: Digital IO: outputs deactivated by output mask after network error](#)
- [40000: Parameter ID only for tests](#)
- [41001: Heatsink temperature sensor: Overtemperature](#)
- [41011: Temperature sensor \(Motor|Choke|External\): Overtemperature](#)
- [41031: Junction temperature model: Overtemperature](#)
- [41041: Bleeder temperature model: Overtemperature](#)
- [41051: ACOPOS peak current: Overload](#)
- [41061: ACOPOS continuous current: Overload](#)
- [41070: Motor temperature model: Overtemperature](#)
- [41075: ACOPOS continuous power: Overload](#)
- [41078: Power stage: Temperature sensor 1: Overtemperature](#)
- [41080: Charging resistor: Overtemperature](#)
- [41081: Power stage temperature model: Overtemperature](#)
- [41083: Power stage: Temperature sensor 2: Overtemperature](#)
- [41085: Power stage: Temperature sensor 3: Overtemperature](#)
- [41087: Power stage: Temperature sensor 4: Overtemperature](#)
- [41089: Motor encoder temperature sensor: Overtemperature](#)
- [64002: Delay before SW Reset \(network with ascending node numbers ?\)](#)
- [64003: Delay before NC System Start \(network with ascending node numbers ?\)](#)

- [64004: The following boot error could be entered here with a delay](#)
- [64005: Timeout for parameter enable after start of operating system](#)
- [64006: Drive did not become synchronous with network master](#)
- [64007: Timeout for enable of acyclic network communication](#)
- [64008: Timeout for enable of cyclic network communication](#)
- [64009: Acp10cfg contains a POWERLINK interface, for which no axis is defined](#)
- [64010: NC software test version \(validity period in Logger\)](#)
- [64011: Timeout for completion of encoder initialization](#)
- [64012: acp10sys does not contain an operating system for this ACOPOS hardware type](#)
- [64500: Positive speed limiter active](#)
- [64501: Negative speed limiter active](#)
- [64502: Positive direction acceleration torque limiter active](#)
- [64503: Negative direction acceleration torque limiter active](#)
- [64504: Positive direction deceleration torque limiter active](#)
- [64505: Negative direction deceleration torque limiter active](#)
- [64506: Recovery power limiter active \(deceleration too high\)](#)
- [65535: Response error](#)