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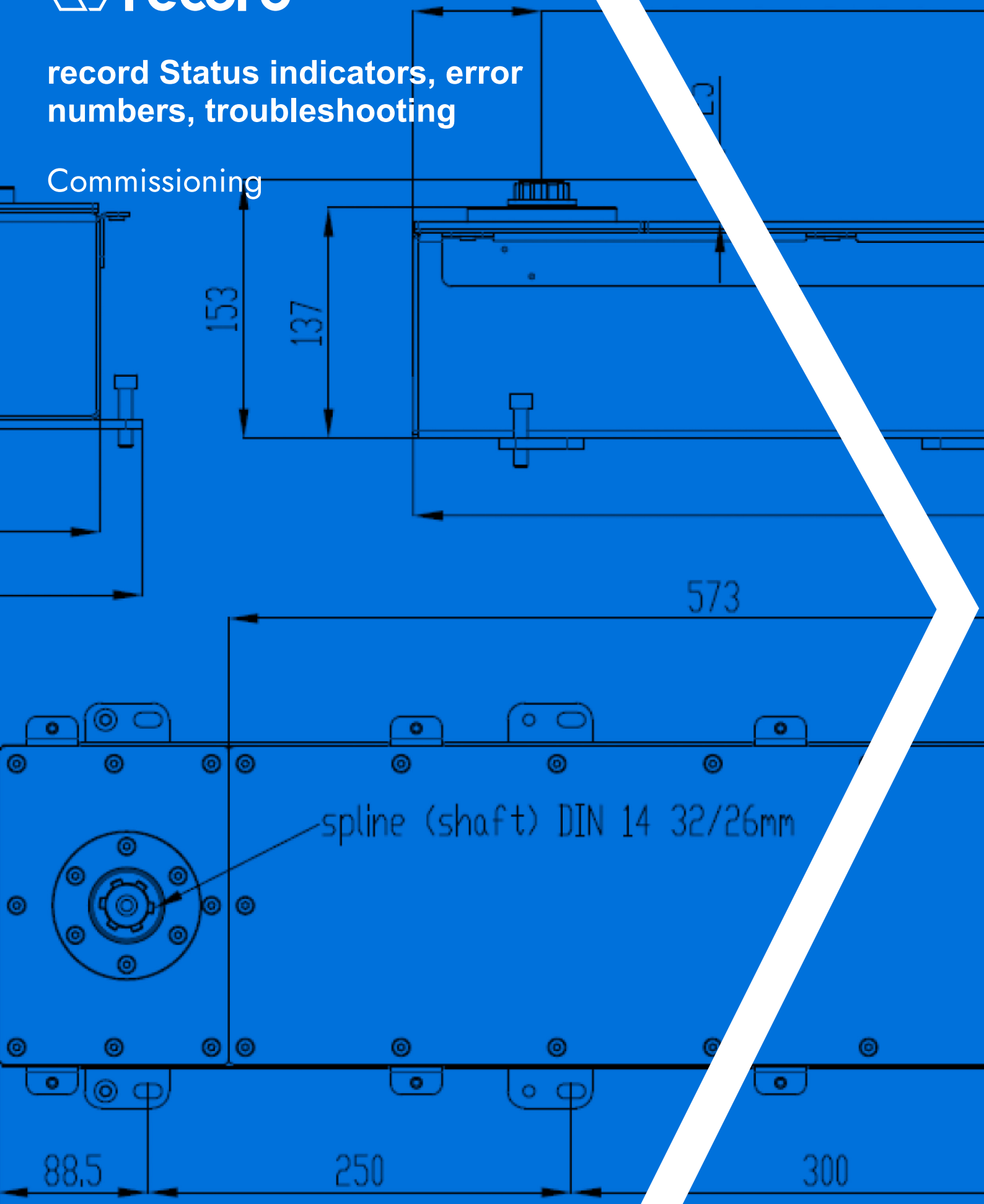
record Status indicators, error numbers, troubleshooting

Commissioning



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List of changes

Change	Location
Addition error displays and remedies R65 / MP200	*Error displays and remedies BDE-D (KTA, R 65 / MP200)* [▶ 18] *Status display and troubleshooting BDE-D (KTA)* [▶ 54]

1 General information

1.1 Structure of the documentation

The documentation of the System 20 is subdivided into different Operating Instructions.

The structure of the documentation is as follows (B1 = book 1):	
B1	General information
B2	Mounting the sliding door drive
B2A	Mounting the sliding door drive STA 20 Frameless
B2B	Mounting and maintenance of PROTECT IP65
B3	Mounting the telescopic sliding door
B4	Mounting the total opening system
B5	Assembly options
B6	Function description of the control modules
B7	Startup
B8	Explanations of the parameters
B8A	Status indicators, error numbers, troubleshooting
B9	Assembly and start-up of folding door drive and folding door drive with break-out function
B10	Mounting THERMCORD
B10A	Mounting THERMCORD 3
B11	Assembly and startup of special structures
B12	Mounting SAFECORD

1.2 Storage of the manual

After the installation of the system, the instructions should be stored in an accessible and dry place.

2 Error display and troubleshooting BDE-D

The possible error messages are listed in the table below according to the error number and together with a problem description and data for troubleshooting and resetting the display. The following abbreviations and symbols are used:

Abbreviation / Symbol	Meaning
Nr.	Status or error number
H	General instructions
R	A service technician is required for resetting the error display. After removing an error, no automatic reset happens.
W	No serious malfunction but only a warning message.
	Despite an active error the door can be provisionally locked as follows: – Set BDE-D on MANUAL operating mode – Slide door leaves by hand into closed position (STA) – Set BDE-D on LOCKED operating mode – Door remains closed and locked

-	File cannot be opened	An error has occurred while reading the new programme of the . – Remove from the and insert it again. – Format and transfer data again (with PC / laptop). – Replace .

No.	Display text	H	Comments and possible troubleshooting
3	active		An opening signal is permanently activated on the inner side of the door (e.g. permanent movements in front of the interior motion detector). – Remove objects moving within the detection area of sensors. – The reaction time for the error can be configured or the error message can be disabled (see *Parameter → Miscellaneous → Alarm display → Time activation)*.
5	active		An opening signal is permamently activated on the outer side of the door (e.g. permanent movements in front of the exterior motion detector). – Remove objects moving within the detection area of sensors. – The reaction time for the error can be configured or the error message can be disabled (see *Parameter → Miscellaneous → Alarm display → Time activation)*.
6	Unlocking	R	Unlocking fault.The door could not be unlocked correctly. – Via / select *Locked* operating mode, and once the door has been locked change to *Automatic* mode to repeat unlocking attempt. – **:** Provided that there is an unlocking device, first select *Manual* operating mode, actuate the unlocking device and then change back to *Automatic.* – Check lock mechanism and adjust if needed.
7	Redundancy test	W	– **:** This text is always displayed while the door executes a redundancy test. If the test is successful the message is automatically erased. If the message remains, it means an error has occurred during the test.
9	Open unsuccessful	R	The door cannot open because a safety signal has been activated or the door is mechanically obstructed. – **:** After 4 unsuccessful opening attempts. – Remove objects in detection field of sensors. – Eliminate mechanical hindrance. – Check locking device.

9	Battery fuse blown	R	**:** The battery fuse is disconnected or the battery is not plugged in. – The door continues to work as long as mains voltage is supplied except for door types which absolutely need a fully functional battery (e.g. doors or escape route doors).
10	Locking error		**:** The door could not be locked correctly. Depending on configuration, the door opens up to 10 cm or stays in the closed position (see *Parameter → Locking error → Closed error*). Remove hindrance (stones, dirt) between the door leaves. – Via / select *Automatic* aoperating mode, and once the door has been unlocked change to *Locked* operating mode, to repeat locking attempt. – Check lock mechanism and adjust it if needed. – Remove hindrance which prevents the door from closing completely.
11	Difference	R	**:** For safety reasons, the opening signal is on two channels in the escaping direction. The error displays that both channels do not show the same status. – Check bus wiring for proper cable feeding and terminating resistor. – Control for sensors with relay output if both channels are correctly wired. – Check sensors.
12	capacity	R	**:** The battery capacity is no longer sufficient for battery or emergency operation. – Charge battery or replace it if needed. – The door continues to work as long as mains voltage is supplied except for door types which absolutely need a fully functional battery (e.g. doors or escape route doors).
12	Battery voltage	R	**:** Battery voltage is very low. – Check battery connection and fuse. – The door continues to work as long as mains voltage is supplied except for door types which absolutely need a fully functional battery (e.g. doors or escape route doors).
13	Error redundancy test	R	**:** If this error is raised together with error *22 Open position* the door has possibly been hindered during the redundancy test (see error 22). – Clean floor track. – Replace door control unit.
14	defective	R	**:** The normally open contact of the locking device () does not indicate the correct locking state. – Via / change between *Automatic* and *Locked* operating modes to reconstitute the correct status. – Check lock mechanism and adjust if needed – Control wiring between controller and locking device.
15	EMERG. OPEN		**:** The emergency opening button has been actuated. – Reset emergency open button
17	Timeout open. time	R	**:** The escape route opening has not been reached in due time for the 3rd time in a row. – Opening speed too low or escape route width too large. – With doors featuring an opening width of 2 m 80% of the set opening width for escape route must be reached within 3 seconds in case of openings. With wider doors the allowable time is accordingly longer. – In the status window of the the measured opening time is continuously on display. The value should at least be 400 ms.

17	Timeout open. time	R	**SPEEDCORD:** The door was not opened or closed in an appropriate time. Possibly there is a mechanical problem. – Carry out reset, check mechanics, replace motor.
19	Diff. operating mode	R	**:** For safety reasons, the connection between the control unit and the door controller is on two channels. The error indicates that both channels do not show the same status. – Check contacts and wiring to door controller.
20	rubber cord	R	**/ :** The monitor for the rubber cord has been activated. – Cord broken or cord tension too low. – Control functioning of cord switch and wiring to door controller. – If desired, the door can still be locked despite the error. To this end first select operating mode *Locked* and then slide the door manually in closed position.
21	Encoder 2 def.	R	**:** An anomaly has been detected in the encoder of the 2nd motor. – Check encoder and cable. – Check that drive pulley is well tightened and control tension of the gear belt. – Also check the other motor and encoder.
22	Open position	R	**:** After an opening, the opening width of the escape route has not been reached or the position monitor has been activated during the redundancy test. – Remove hindrances, control floor track. – Check both encoders, proper tightness of both drive pulleys and tension of gear belt.
23	Secondary control unit defective	R	**:** Possibly Secondary control unit defective – Replacement by service fitter
25	Secondary connection	R	**:** Secondary connection () to Primary is interrupted. – Check wiring and insulator. – Check jumper position on Secondary control unit (S1 for Secondary).
27	test	R	**:** For safety reasons, the locking device is operated on two channels. The redundancy test has detected an error (short circuit?) in one of the signal paths. – Check wiring between locking device and door controller. – Replace controller.
29	not locked		**:** In operating mode *Locked* the twist lock is not locked. – Turn rotary switches (on top) to locked position – Control cabling and contacts
30	locked		**:** The twist lock is locked, although operating mode *Locked* is not active. – Unlock using the rotary switches (on top) – Control cabling and contacts
31	EMERGENCY STOP		Emergency stop button has been pressed or manual unlocking has been actuated – **:** Reset Emergency stop button and manual unlocking – **:** Reset Emergency stop button
32	- defective, missing or wrongly configured.		**:** In case of power supply with 24 VDC, the voltage is too high (> 28 VDC). – Check tension.

33	Error	R	**:** Light barrier signal has not been identified. – Clean cover of safety beam or replace unit. – - defective, missing or wrongly configured.
36	closed l.	R	**:** The normally closed contact of the locking device () does not indicate the correct locking status. In the case of a locked door, the contact should be open. – Via / change between*Locked* and *Automatic* operating modes to reconstitute the correct status. – Check lock mechanism and adjust it if needed. – Control wiring between controller and locking device.
37	Motor current	R	An excessive motor current has been registered. – **/ :** Wrong motor type configured. – Check motor and cabling. – Motor is overloaded due to a blockage. – Replace controller. – Replace Motor
38	Motor overheat	R	**:** The temperature of the motor is too high – The system changes to Manual operating mode – The door leaves are possibly too heavy or undergo too much friction – Reset after cooling down of the motor
38	Temp. Motor		**SPEEDCORD:** An excessive temperature of the motor has been registered. – Reset after cooling down of the motor.
39	Overload 24V	R	Voltage for the 24V-supply is too low. It is probably overloaded. – Check peripheral units and wiring. – Do not connect too many external units.
40	Closing unsuccessful		The door cannot close because a safety signal has been activated or the door is mechanically obstructed. – **:** After 10 unsuccessful closing attempt – Remove objects from detection field of sensor. – Remove mechanical hindrance.
41	Temp. sensor 1	R	Over temperature motor 1 or the temperature sensor of motor 1 is faulty. – Wait until the motor has cooled down. – Check motor wiring for disconnections or short circuits.
42	Temp. sensor 2	R	**/:** Over temperature motor 2 or the temperature sensor of motor 2 is faulty. – Wait until the motor has cooled down. – Check motor wiring for disconnections or short circuits.
43	Encoder	R	An anomaly has been detected in the encoder. – Check encoder and wiring. – **:** Control drive pulley for correct fitting and tension of the drive belt.

44		W	**/Speedcord:** An increase in temperature has been recorded in the motor. To prevent the temperature from increasing further, hold-open time is automatically extended until the temperature has dropped back to normal values. – Make sure the door runs smoothly. – Remove mechanical hindrance. – Control motor configuration. – Check volume of traffic and weight of door leaves.
45	T motor too hot		**/:** The motor temperature is too high for the door to continue to operate. The door remains in Manual mode until the temperature has dropped back to normal values. – Make sure the door runs smoothly – Remove mechanical hindrance – **:** Check motor configuration – Check volume of traffic and weight of door leaves
46	Control device defective	R	**:** Includes the following individual faults – – – Watchdog – Imax – ImaxT
46	Control device defective	R	**SPEEDCORD:** The power stage of the can no longer be disconnected from the power supply. – Replace
47	aktiv	R	A safety signal in opening direction is permanently activated. **:** Depending on configuration the door stops or moves at reduced speed (see *Parameter→ Input/output→ SIO → Function SIO)*. – **:** Remove objects moving within the detection field of sensors. – **:** Correctly set the door position at which the signal is activated or suppressed (see *Parameter → Input/output →)*. – The response time for the error can be configured or the error message can be disabled (see *Parameter → Miscellaneous → Alarm display → Time safety)*.
48	or activated		**:** Emergency closing or safety opening is active. – Reset switch / button – Control wiring and external components
49	Alarm Ventouse		**/ Ventouse:** Cord not tight. – Check magnet coil and connections. – Control wiring and external components.
50	Watchdog fault		**/:** Watchdog-IC on control unit is defective – Replace by service fitter
51	open unl.	R	**:** The normally closed contact of the locking device ( ) does not show the correct locking status. With an unlocked door the contact should be closed. – Change alternately between operating modes*Locked* and *Automatic* with the BDE-D/M in order to re-establish the correct status. – Check locking mechanism and adjust it if needed. – Check wiring between controller and locking device.

51	Software Version	R	**:** In case of a door controller featuring several microprocessors, these do not have the same software version. **:** Software versions by Primary/Secondary do not match each other. – Carry out a Flash-Update via 902.
52	No running param.		The door parameters (travel distance, door mass, friction, etc.) are unknown. After every loading of factory setting or default parameter or after changing door type, these parameters are erased. – Execute learning cycle.
53	Interrupt. . 1	R	No current can be measured on motor 1. – Motor is not connected correctly. After it has been connected, a restart must take place. – Motor or controller is faulty.
54	Calibration run	W	A door run is performed to learn the door parameters (travel distance, door mass, friction, ...). – **:** Trigger several door openings (normally 2) until the message disappears. – **:** Trigger calibration run.
55	Power failure		**:** No power supply. Depending on equipment, configuration and door type, the door continues to function in battery operation mode. – Connect to mains
57	Interrupt. motor 2	R	**/:** No current can be measured on motor 2. – Motor not plugged in. After connecting the motor, release a restart. – Motor or door controller is faulty.
59	active		**/Speedcord:** A light barrier is permanently active. Depending on configuration, the door reverses, stops or creeps (see *Parameter → Input/output →)*. – Ensure that light barriers are not covered up or dirty. – , or are defective – The reaction time for an error can be configured or the error message can be disabled (see *Parameter → Miscellaneous → Alarm display → Time safety)*.
59	enabled		A safety signal in closing direction is permanently active. **/:** Depending on configuration, the door reverses, stops or creeps (see *Parameter → Input/output →)*. – Remove objects moving within the detection field of sensors. – Check wiring, settings and function of the sensor. – The reaction time for the error can be configured or the error message can be disabled (see *Parameter → Miscellaneous → Alarm display → Time safety)*.

60	defective	R	Parameter settings as well as history and maintenance information are permanently saved in the . Faulty data have been discovered after restart or later on during continuous testing. – or door controller is defective. – An old software version has been installed (downgrade) which could not find compatible data in the . – Numerous power failures or by-pass of the mains supply. – The error can only be eliminated by downloading the factory settings. As a consequence, all the current settings get lost and the door controller must be configured again. To this end, execute the function *Factory settings* with the key (9 pulses) or with the 902, and then carry out a restart within 10 seconds with EMERGENCY STOP or EMERGENCY OPENING. If after this the menu for language selection appears on the display, the function has been executed correctly. Subsequently, configure the door controller again.
61	aktive		**/:** The signal on the key-operated contact is permanently active. – Check the switch and wiring/connections. – The response time for the error can be configured or the error message can be disabled (see *Parameter → Miscellaneous → Alarm display → Time activation)*.
62	no priority	W	**:** The requested operating mode cannot currently be set because an operating mode with a higher priority has been selected on one of the mechanical controls (, , , etc.). **:** The requested operating mode cannot currently be set because an operating mode with a higher priority has been selected on one of the mechanical controls (). For instance, if operating mode *Locked* has been set on the , one cannot change to *Automatic* with the .
63	Collision	W	*/* **:** A collision has occurred during a closing or opening movement. – The error is automatically erased when the original travel distance can be driven again. – If the error remains though nothing more hinders the door travel, either a restart or a learning cycle must be carried out. – **:** The error can be so configured that it is displayed or not (see *Parameter → Miscellaneous → Alarm display → Collision)*
88	Diff. Parameter	R	**:** Security-relevant parameters are saved by 1 and 2 in their respective EEPROM. **:** Security-relevant parameters are saved by Primary and Secondary in their respective . After restart or later on during permanent testing, these data do not have equal values. – Execute a restart with EMERGENCY OPENING. – **:** Unplug mains and battery for a short time and then plug them in again. – **:** Unplug mains for a short time and then plug them in again. – If the error still remains, then the factory settings must be loaded again (see *Error 60*). – Replace door controller.
89	Primary connection	R	**:** Secondary connection () to Primary is interrupted. – Check wiring and insulator. – Check jumper position on Primary control unit (M1 for Primary).

90	Railbeam active		**:** Sensor Railbeam active (photo cell on rail. Application mainly in US). – Check if the photo cell is uncovered or not dirty. – defective. – The reaction time for the error can be configured or the error message can be disabled (see *Parameter → Miscellaneous → Alarm display → Time safety*).
91	Bodyguard active		**:** Sensor Bodyguard active (presence sensor above the operator on opening side. Application mainly in US). – Remove objects moving within the detection area of the sensor. – Check wiring, settings and function of the sensor. – The reaction time for the error can be configured or the error message can be disabled (see → *Parameter → Miscellaneous → Alarm display → Time activation*).
92	relay defect	R	***/*:** The control of the motor relay, which occurs during restart or later periodically, shows an error. Presumably, contacts stick to each other. – Replace door controller.
93	Overvoltage 24V	R	An excessive voltage has been measured at the 24V power supply. – Check cables for proper attachment to peripherals and test connected peripherals. – Replace door controller.
94	Spring calibration		**:** Spring calibration has been executed. – Check spring tension or readjust if necessary. – Automatic reset.
95	Error in sense of rotation		**:** – Wrong sense of rotation. – Check position of slide switch on -Print.
96	void	R	No data has been found in the . Normally, this message only appears after commissioning a new door controller for the first time. – Load factory settings (see *Error 60*).
97	Maintenance time exceeded	W R	The configured maintenance cycle has already been exceeded for a certain time (>105%). – Inform our after-sales service centre urgently and have maintenance carried out. – By acknowledging the warning message, the alarm is reset for 13 days.
98	Maintenance due	W R	95% of the configured maintenance cycle has been reached. – Inform our after-sales service centre and have maintenance carried out soon. – The warning can be acknowledged. It will be displayed again when 100% of the maintenance cycle has been reached.
99	Operator rotates	W	**:** The function rotate + lubricate for grease distribution in gearbox has been executed. The grease in the gear will be dispersed. – Automatic reset.
100	Check motor cable	R	**:** When starting up, the door moves to the wrong direction. – Check polarity of the motor and encoder cables. – Correctly set jumper for the configuration of the rotating direction.

101	Learning sensor	W	**:** The special door run for learning the sensors is being carried out. – Trigger several door openings until the message disappears.
102	Diff. status	R	: The mutual surveillance of security-relevant actions has revealed that both microprocessors are not in the same status. – Execute a restart with EMERGENCY OPENING. – Unplug mains and battery for a short time and then plug them in again. – Replace door controller.
103	GGridScan defect		**SPEEDCORD:** Sensor GridScan of the door is permanently activated – Remove objects moving within the detection area of the GridScan. – The reaction time for the error can be configured or the error message can be disabled (see *Parameter → Miscellaneous → Alarm display →* Time activation*)*.
104	GridScan enabled		**SPEEDCORD:** GridScan safety signal is permanently activated in closing direction. – Remove objects moving within the detection area of the GridScan. – The reaction time for the error can be configured or the error display can be disabled (see *Parameter → Miscellaneous → Alarm display → Time Safety)*.
105	Test brake	W	**:** Test brake – Automatic reset
106	Brake defective	R	**/:** Though the brake is pulled, the door has opened by 10 mm. – Wiring or brake is faulty. – **C048:** Rubber cord is too tight. – External impact
107	defective	R	**/:** Sensors with test input are tested before every dangerous run. An error has been detected on the safety sensor in closing direction. – Check sensor and wiring.
108	defective	R	**/:** Sensors with test input are tested before every dangerous run. An error has been detected on the safety sensor in opening direction. – Check sensor and wiring
109	Factory settings		**/:** The function for loading the factory settings has been activated. – A reset must be performed at the door controller within 10 seconds so that the function is correctly executed (see *error 60*).
110	No Motor	R	**:** Circuit board not plugged in or wiring of temperature sensor interrupted. Motor or controller defective. – Check connections of and wiring of temperature sensor. – Check motor temperature sensor.
112	Batt. not charged complete	W	**:** The battery is not completely charged. – Connect it to mains voltage. – The message disappears as soon as the battery is fully charged.
113	Wrong motor		**:** The configured motor type does not match the motor connected. – Check motor configuration (see *Parameter → Drive → Motor*).
115	Locking bar		**:** The locking bar () of a pharmacy controller is not in the intended position. – Move locking bar to correct position. – Check wiring and locking bar contact.

116	Restart inhibit	R	**:** After resetting an or the door stands still because of the start inhibit. – Activate contact "Reset /" or restart the control unit (reset) in order to release the start inhibit. – Control wiring and locking contact.
117	active		**:** A presence safety signal is permanently activated. – Take away any object moving within the detection area of sensors. – The response time for the error can be configured or the error message can be disabled (see *Parameter → Miscellaneous → Alarm display → Time safety)*.
118	SIA defect	R	**:** Sensors with test input are controlled before every dangerous door movement. An error has been detected in the presence safety sensor. – Check sensor and wiring
119	missing		**:** The additional circuit print to load the battery, is not existing or damaged. – install or exchange
120	Self-test not possible		**:** The Self-test of the battery could not be performed. – Replace

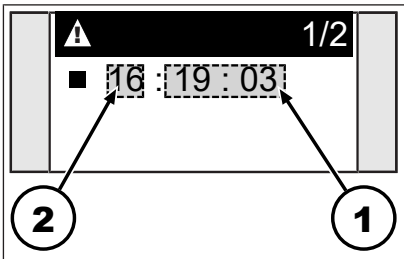
No.	Error text	Comments and possible troubleshooting
128 **129** **130** **131** **132** **133**	node detected error in firmware	An error has occurred while programming the FLASH unit. The error number is displayed by the programming software in the microprocessor and is only relevant for the software development. – Disconnect the unit completely from the power supply (mains and battery!) and repeat the programming procedure. Under certain conditions, this procedure must be repeated a second time. – Ensure correct wiring and terminating resistor. – Replace unit
251	Update not specified for node.	The new software is not executable on the hardware of the unit. – Select appropriate software. – Check file name of software.
252	No programming voltage on node	The specific voltage supply for programming the FLASH is faulty. – Replace the unit to be programmed.
253	Error in protocol with node	An error has arisen while transmitting the new programme via bus. – Disconnect the unit completely from the power supply (mains and battery!) and repeat the programming procedure. Under certain conditions, this procedure must be repeated a second time. – Ensure correct wiring and terminating resistor. – Replace unit
254 **255**	node not found	The connection to the unit could not be established or is interrupted. – Make sure that the unit does not carry out any uncontrolled restart, e.g. from activating the EMERGENCY STOP. – Ensure correct wiring and terminating resistor. – Disconnect the unit completely from the power supply (mains and battery!) and repeat the programming procedure. Under certain conditions, this procedure must be repeated a second time. – Replace unit
256	Servo defective	**SPEEDCORD:** Servo defective.

257	No connection found for servo		**SPEEDCORD:** Check the connection of the servo controller. – Check the connecting cable.
258	Latch defective		**SPEEDCORD:** Fall arrester is stuck. – Check the cable – Check the magnet.
259	Servo		**SPEEDCORD:** Servo defective.
260	Servo		**SPEEDCORD:** Check the connection of the servo controller. – Check the connecting cable.
261	Servo POWERUNIT		**SPEEDCORD:** Servo defective.
262	Servo TEMP		**SPEEDCORD:** A temperature increase has been detected in the servo box.
263	Servo WATCHDOG		**SPEEDCORD:** Servo defective.
270	PU DCLINK UV		**SPEEDCORD:** Servo defective.
271	PU DCLINK OV		**SPEEDCORD:** Servo defective.
272	PU DCLINK PFC UV		**SPEEDCORD:** Servo defective.
273	PU 15V FAIL		**SPEEDCORD:** Servo defective.
274	PU 5V FAIL		**SPEEDCORD:** Servo defective.
275	PU 3V3 FAIL		**SPEEDCORD:** Servo defective.
276	PU DCLINK RG FAIL		**SPEEDCORD:** Servo defective.
277	PU PHASEU OC		**SPEEDCORD:** Servo defective.
278	PU PHASEV OC		**SPEEDCORD:** Servo defective.
279	PU PFC OC		**SPEEDCORD:** Servo defective.
280	PU DRIVER FAIL		**SPEEDCORD:** Servo defective.
281	PU DRIVER OC		**SPEEDCORD:** Servo defective.
282	PU PFC RAMP		**SPEEDCORD:** Servo defective.
283	PU 24V FAIL		**SPEEDCORD:** +24V on incorrectly measured. – Carry out reset – Replace
284	PU 48V FAIL		**SPEEDCORD:** +48V on BMC incorrectly measured. – Carry out reset – Replace BMC
285	BMC Motor FAIL		**SPEEDCORD:** Error detected during control or motor (motor connections) are defect. – Carry out reset – Check connections – Replace motor – Replace BMC
286	BMC Chopper		**SPEEDCORD:** Chopper resistor (gold resistor) – Check connections – Replace BMC

287	BMC RTC FAIL		**SPEEDCORD:** Real time clock error detected. – Carry out reset – Replace BMC
288	BMC SW FAIL		**SPEEDCORD:** Software error detected. – Carry out reset – Replace BMC
289	BMC Emergency FAIL		**SPEEDCORD:** Error detected in the emergency stop path. – Check emergency stop path – Carry out reset If the display of the BDE-D remains dark after a restart – Replace BMC – Replace controller board

3 Error displays and remedies BDE-D (KTA, R 65 / MP200)

3.1 Error display



The display of currently pending errors in the error display is a list of error numbers without plain text display in decimal format. The errors are composed of error source **(2)** and error number **(1)**.

Up to three error codes can be listed per display. If there are more errors, the number of displays and the current display number are also shown. The next page is called up by pressing the info key.

3.2 Error sources

No.	KTA 200	R 65 / MP200
01	IO Primary Cpu1 (KST200)	SST200_Primary
02	IO Primary Cpu2 (KST200)	SST200_Secondary
03	IO Secondary Cpu1 (KST200)	
04	IO Secondary Cpu2 (KST200)	
05	IO interlock (SST200)	
16	Driver 1 (AST200)	
17	Driver 2 (AST200)	
18	Driver 3 (AST200)	
19	Driver 4 (AST200)	
20	Driver 5 (AST200)	
21	Driver 6 (AST200)	
32	Holding magnet control Cpu1 (HST200)	
33	Holding magnet control Cpu2 (HST200)	
34	Safety edge control Cpu1 (SIL200)	
35	Safety edge control Cpu2 (SIL200)	
64	BDE-D-K 1	BDE-D 1
65	BDE-D-K 2	BDE-D 2
80		CAN200_0
81		CAN200_1
127	WiDI - i-record (Wireless Door Interface)	WiDI - i-record (Wireless Door Interface)

3.3 Error Number

The following table lists the possible error messages based on their error number, together with a detailed description and information on rectifying and resetting the error display.

No.	Display text	Cause and effect	Possible troubleshooting
01:01	open: OD: Entry unknown	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:02	open: OD: Too many monitoring operations	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit

01:03	open: OD: Monitoring missing	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:04	open: Emergency Consumer: Memory too small	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:05	open: Observer: Index cannot be created	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:06	open: Pdo: incorrect assignment	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:07	open: Pdo: Inhibit Error	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:08	open: Pdo: Init Tick Error	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:09	open: Transmission error CAN message	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:10	open: Pdo: OD reading error transmission type	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:11	open: Pdo: faulty transmission type	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit

01:12	open: Pdo: OD Read error Inhibit Time	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:13	open: Pdo: Shipping not possible	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:14	open: Pdo: OD Read error	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:15	open: OD Read error: Msg ID	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:16	open: Pdo: OD Read Error Mapping Parameter	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:17	open: OD Logon incorrect	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:18	open: OD Read error: Number of Pdo objects	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:19	open: OD Read error: Pdo assignment	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:20	open: Null pointer	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit

01:21	open: Pdo Task: Creation failed	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:22	open: Pdo Tx: generation failed	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:23	open: Pdo Rx: generation failed	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:24	open: Heartbeat Producer: generation failed	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:25	open: Heartbeat Consumer: generation failed	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:26	open: Task returned	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:27	open: Update Error	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:28	open: OD Read error: CobId	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:29	open: OD Read error: Heartbeat Producer Time	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit

01:30	open: OD Read error: Heartbeat Consumer Time	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:31	open: Heartbeat Consumer configuration faulty	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:32	open: Send error Presence event	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:33	open: inadmissible heartbeat time	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:34	open: Login failed	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:35	open: NMT Secondary: Status update faulty	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:36	open: NMT Secondary: Generation failed	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:37	open: NMT Primary: Creation failed	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:38	open: Emergency Producer: Generation failed	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit

01:39	open: Emergency Consumer: Generation failed	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:40	open: Transmission error NMT command	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:41	open: Forwarding BootUp message failed	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:42	open: Service not configured	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:43	open: OD generation failed	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:44	open: NMT Primary not available	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:45	open: Sdo Feedback: Timeout	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:46	open: Sdo feedback: Double display	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:47	open: Sdo Feedback: Object not available	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit

01:48	open: Sdo feedback: invalid data size	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:49	open: Sdo Feedback: Send error	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:50	open: Sdo feedback: unknown message	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:51	open: Sdo feedback: general transmission error	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:52	open: Sdo Client: too many requests	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:53	open: Sdo Client: Creation failed	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:54	open: Sdo server: Creation failed	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:55	open: Sdo Server: too many communication channels	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:56	open: OD Initialization failed	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit

01:57	open: Unknown error Type	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
01:58	open: Error list full	– initialization error – communication error – Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
02:01	security signals: CRC error	– Communication error – Evaluation error – Error Stop – Immediate stop of the rotation	– Perform reset – Check wiring – 200 Check Primary/Secondary configuration – 200 Check stator/rotor configuration – Update software – If necessary, replace control unit
02:02	security signals: CRC- error	– Communication error – Evaluation error – Error Stop – Immediate stop of the rotation	– Perform reset – Check wiring – 200 Check Primary/Secondary configuration – 200 Check stator/rotor configuration – Update software – If necessary, replace control unit
02:03	security signals: PDO missed	– Communication error – Evaluation error – Error Stop – Immediate stop of the rotation	– Perform reset – Check wiring – 200 Check Primary/Secondary configuration – 200 Check stator/rotor configuration – Update software – If necessary, replace control unit
02:04	security signals: PDO_ missed	– Communication error – Evaluation error – Error Stop – Immediate stop of the rotation	– Perform reset – Check wiring – 200 Check Primary/Secondary configuration – 200 Check stator/rotor configuration – Update software – If necessary, replace control unit
02:05	security signals: PDO processing faulty	– Communication error – Evaluation error – Error Stop – Immediate stop of the rotation	– Perform reset – Check wiring – 200 Check Primary/Secondary configuration – 200 Check stator/rotor configuration – Update software – If necessary, replace control unit

02:06	security signals: PDO_ Processing error	– Communication error – Evaluation error – Error Stop – Immediate stop of the rotation	– Perform reset – Check wiring – 200 Check Primary/Secondary configuration – 200 Check stator/rotor configuration – Update software – If necessary, replace control unit
02:07	security signals: cross-check error	– Communication error – Evaluation error – Error Stop – Immediate stop of the rotation	– Perform reset – Check wiring – 200 Check Primary/Secondary configuration – 200 Check stator/rotor configuration – Update software – If necessary, replace control unit
03:01	Kinematics Primary: Rotor does not rotate	– Error Stop – Immediate stop of the rotation	– Perform reset – Check / replace rotor encoder
03:02	Kinematics Primary: invalid position	– Error Stop – Immediate stop of the rotation	– Perform reset – Door learning execute – Check / replace rotor encoder – If necessary, replace control unit
03:03	Kinematics Primary: Speed too high	– Error Stop – Immediate stop of the rotation	– Check / replace rotor encoder
03:04	Kinematics Primary: OD Write error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
03:05	Kinematics Primary: OD Read error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
03:06	Kinematics Primary: Send error: KIN Status	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
03:07	Kinematics Primary: OD Logon incorrect	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
03:08	Kinematics Primary: Eeprom spelling mistake	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
03:09	Kinematics Primary: Read error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit

04:01	integration test: error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
04:02	integration test: error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
04:03	integration test: test cannot be generated	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
04:04	integration test: runtime error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
04:05	integration test: dummy	– None	– None
05:01	200 supply: Undervoltage 48V	– Error Stop – Immediate stop of the rotation	– Check 48VDC power supply unit – If necessary, replace 48VDC power supply unit
05:02	200 supply: Overvoltage 48V	– Error Stop – Immediate stop of the rotation	– Check 48VDC power supply unit – If necessary, replace 48VDC power supply unit
05:03	200 supply: 15V supply faulty	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
05:04	200 supply: 48V supply cannot be switched	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
05:05	200 supply: Motor voltage critically high	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
05:06	200 supply: Chopper resistance too high	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
05:07	200 supply: Motor supply cannot be switched	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
05:33	200 supply: Battery: Short circuit	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
05:34	200 supply: Battery: Undervoltage	– Error Stop – Immediate stop of the rotation	– Checking and charging the battery – Replace battery
05:35	200 supply: Battery: Interruption	– Error Stop – Immediate stop of the rotation	– Check battery and fuse

05:36	200 supply: Battery: faulty connection	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
05:37	200 supply: Battery: low capacity	– Error Stop – Immediate stop of the rotation	– Replace battery
05:38	200 supply: Battery: Overload Load resistance	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
05:39	200 supply: Battery: Short circuit to 48V	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
05:65	200 supply: no set	– None	– None
05:66	200 supply: Event Send error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
06:01	200 Watchdog: Watchdog triggered	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
06:02	200 Watchdog: Test Initialization error	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
06:03	200 Watchdog: Test Reaction incorrect	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
06:04	200 Watchdog: Test stimulation faulty	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
06:05	200 Watchdog: Initialization incorrect	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
06:06	200 Watchdog: Feedback incorrect	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
06:07	200 Watchdog: Watchdog Stimulation OFF	– Error Stop – Immediate stop of the rotation	– Remedy triggering cause of error
07:01	door logic: Transmission error Contollerevent	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
07:02	door logic: Transmission error cinematic event	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit

07:03	door logic: OD Read error: node	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
07:04	door logic: OD Read error: Safety signals	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
07:05	door logic: Send error Event	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
07:06	door logic: OD Write error: Operating mode	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
07:07	door logic: Read error Kinematic status	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
07:08	door logic: no free event timers	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
07:09	door logic: unknown door logic event	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
07:10	door logic: Unknown stop type	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
07:11	door logic: Send error Aux Event	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
07:12	door logic: OD Write error: Service number	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
07:13	door logic: OD Read error: Service number	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
07:14	door logic: Writing error: Service number	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
07:15	door logic: OD Write error: Parameter	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
07:16	door logic: OD Read error: Parameter	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit

07:17	door logic: write error: Parameter	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
08:01	driver controller: Too few motor drivers (200)	– Error Stop – Immediate stop of the rotation	– Perform reset – CanId Check setting of 200 controllers – Check cabling – If necessary, replace control unit
08:02	driver controller: Self test Timout 200	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
08:03	driver controller: -	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
08:04	driver controller: Error cannot be reset	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
08:05	driver controller: Error cannot be set	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
08:06	driver controller: Invalid data type for transmission to	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
08:07	driver controller: Sdo Feedback incorrect	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
08:08	driver controller: -	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
08:09	driver controller: condition unknown	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
08:10	driver controller: Sdo feedback: unknown message	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
08:11	driver controller: Sdo Read error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
08:12	driver controller: Sdo Send error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit

08:13	driver controller: too many motor drivers	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
09:01	connection: reception problem	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
09:02	connection: Tx, Rx Error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
09:03	connection: Bus Off	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
10:01	latch: Lock does not close	– Error Stop – Immediate stop of the rotation	– Check / replace lock – Check cabling – Perform reset – If necessary, replace control unit
10:02	latch: Lock does not open	– Error Stop – Immediate stop of the rotation	– Check / replace lock – Check cabling – Perform reset – If necessary, replace control unit
10:03	latch: -	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
10:04	latch: Sdo Send error: Lock status	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
10:05	latch: OD Read error: Lock status	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
10:06	latch: Sdo transmission error: interlock command	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
10:07	latch: Sdo Feedback: Timeout	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
10:08	latch: Sdo Feedback: Object not available	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
10:09	latch: Sdo feedback: invalid data size	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit

10:10	latch: Sdo feedback: unknown message	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
10:11	latch: Sdo feedback: general transmission error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
10:12	latch: Sdo feedback: too many write requests	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
10:13	latch: Send error door event	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
10:14	latch: Interlock connected but not parameterized	– Error Stop – Immediate stop of the rotation	– Unplug and remove the lock – Parameterize lock
10:15	latch: Interlock not parameterized	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
10:16	latch: invalid lock type	– Error Stop – Immediate stop of the rotation	– Set lock type correctly
10:17	latch: OD Read error: Interlock type	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
10:18	latch: OD Write error: Interlock type	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
10:19	latch: Sdo Transmission error: Interlock type	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
10:20	latch: write error: Interlock type	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
10:21	latch: undefined locking connection	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
11:01	cues: OD Write error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
11:02	cues: OD Read error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit

11:03	cues: Incorrect assignment	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
12:01	operating unit: OD Read error: Operating request	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
12:02	operating unit: Unknown operating request	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
12:03	operating unit: Sdo feedback: Error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
12:04	operating unit: too many operating requirements	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
12:05	operating unit: Sdo Send error: Event on control unit	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
12:06	operating unit: Send error door event	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
12:07	operating unit: Send error Primary event	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
12:08	operating unit: Send error safety event	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
12:09	operating unit: Transmission error cinematic event	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
12:10	operating unit: -	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
13:01	COM Primary: Boot-up message invalid	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
13:02	COM Primary: unknown node	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
13:03	COM Primary: Heartbeat monitoring not configurable	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit

13:04	COM Primary: CAN node cannot be started	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
13:05	COM Primary: node cannot be reseted	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
13:06	COM Primary: Transmission error System reset	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
13:07	COM Primary: OD Write error: node	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
13:08	COM Primary: Primary event unknown	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
13:09	COM Primary: OD Read error: Primary command	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
13:10	COM Primary: unknown command	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
14:01	sensor: Send error door event	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
14:02	sensor: Sensor Test error	– Error Stop – Immediate stop of the rotation	– Perform reset – Check / replace sensor according to status message
14:03	sensor: OD Read error: Parameter	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
14:04	sensor: write mistake: Parameter	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
14:05	sensor: invalid parameter value	– Error Stop – Immediate stop of the rotation	– Set sensor function correctly
15:43	Rotor Encoder: zero pulse error	– Error Stop – Immediate stop of the rotation	– Perform reset – Door learning execute – Check / replace rotor encoder – If necessary, replace control unit

16:01	device: Send error door event	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
17:01	Security Ctrl: unknown event	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
17:02	Security Ctrl: CRC calculation failed	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
17:03	Security Ctrl: write error: CRC value	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
17:04	Security Ctrl: write error: Delete CRC	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
17:05	Security Ctrl: Send error door event	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
17:06	Security Ctrl: OD Writing error: Number of required	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
18:01	System Status: OD Write error: Status Update	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
18:16	System Status: OD Read error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
18:17	System Status: -	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
19:01	KIN Supervisor: Standstill torque too high	– Error Stop – Immediate stop of the rotation	– Perform reset
19:02	KIN Supervisor: Braking time exceeded	– Error Stop – Immediate stop of the rotation	– Perform reset
19:03	KIN Supervisor: Brake torque error	– Error Stop – Immediate stop of the rotation	– Perform reset
19:04	KIN Supervisor: Braking speed too high	– Error Stop – Immediate stop of the rotation	– Perform reset

19:05	KIN Supervisor: torque error	– Error Stop – Immediate stop of the rotation	– Perform reset
19:06	KIN Supervisor: Invalid state	– Error Stop – Immediate stop of the rotation	– Perform reset
20:01	200 Power supply: undefined supply voltage	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
20:02	200 Power supply: Overvoltage 12V	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
20:03	200 Power supply: Undervoltage 12V	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
20:04	200 Power supply: Overvoltage 15V	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
20:05	200 Power supply: Undervoltage 15V	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
20:06	200 Power supply: Overvoltage 24V	– Error Stop – Immediate stop of the rotation	– Check power supply unit 24VDC – Replace power supply unit 24DC – Perform reset – Update software – If necessary, replace control unit
20:07	200 Power supply: Undervoltage 24V	– Error Stop – Immediate stop of the rotation	– Check power supply unit 24VDC – Replace power supply unit 24DC – Perform reset – Update software – If necessary, replace control unit
21:01	200 control: Event Send error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
21:02	200 control: OD Read error: Kinematics Command	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
21:03	200 control: OD Write error: state	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
21:04	200 control: OD Read error: Error register	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit

22:01	engine: Short circuit	– Error Stop – Immediate stop of the rotation	– Perform reset – Check / replace motor – Check cabling – If necessary, replace control unit
22:02	engine: interruption	– Error Stop – Immediate stop of the rotation	– Perform reset – Check / replace motor – Check cabling – If necessary, replace control unit
22:03	engine: Incremental encoder defective	– Error Stop – Immediate stop of the rotation	– Perform reset – Check / replace motor – Check cabling – If necessary, replace control unit
22:04	engine: Motor temperature too high	– Error Stop – Immediate stop of the rotation	– Check door stiffness
22:05	engine: Thermocouple defective	– Error Stop – Immediate stop of the rotation	– Perform reset – Check / replace motor – Check cabling – If necessary, replace control unit
22:06	engine: inverted rotation direction	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
22:07	engine: Interrupt faulty	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
23:01	200 Kinematics: Event Send error	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Perform reset – Update software – If necessary, replace control unit
24:01	200: Undervoltage 24V	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Check power supply unit 24VDC – Replace power supply unit 24DC – Perform reset – If necessary, replace control unit
24:02	200: Overvoltage 24V	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Check power supply unit 24VDC – Replace power supply unit 24DC – Perform reset – If necessary, replace control unit
24:03	200: Undervoltage 12V	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Perform reset – If necessary, replace control unit

24:04	200: Overvoltage 12V	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Perform reset – If necessary, replace control unit
24:05	200: Undervoltage 48V	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Check 48VDC power supply unit – Replace 48DC power supply unit – Perform reset – If necessary, replace control unit
24:06	200: Overvoltage 48V	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Check 48VDC power supply unit – Replace 48DC power supply unit – Perform reset – If necessary, replace control unit
24:07	200: Undervoltage Energy storage	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Perform reset – If necessary, replace control unit
24:08	200: Overvoltage Energy storage	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Perform reset – If necessary, replace control unit
24:09	200: Holding magnet current too low	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Check holding magnets – Check wiring – Perform reset – If necessary, replace control unit
24:10	200: Holding magnet current too high	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Check holding magnets – Check wiring – Perform reset – If necessary, replace control unit
24:11	200: Pendulum wing lock deflected	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Reset all pendulum wings – Check monitoring switch – Check wiring – Perform reset – If necessary, replace control unit
24:12	200: electronic switch for supply of the locking devices defective	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Perform reset – Update software – If necessary, replace control unit

24:13	200: electronic switch to supply the energy storage defective	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Perform reset – Update software – If necessary, replace control unit
24:14	200: Energy storage defective	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Perform reset – Update software – If necessary, replace control unit
24:15	200: OD Write error: HST state	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Perform reset – Update software – If necessary, replace control unit
24:16	200: Read error	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Perform reset – Update software – If necessary, replace control unit
24:17	200: Write error	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Perform reset – Update software – If necessary, replace control unit
24:18	200: Read error: Status	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Perform reset – Update software – If necessary, replace control unit
24:19	200: Read error: Parameter	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Perform reset – Update software – If necessary, replace control unit
24:20	200: Sdo Send error: command	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Perform reset – Update software – If necessary, replace control unit
24:21	200: Send Error: Test Status	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Perform reset – Update software – If necessary, replace control unit

24:22	200: Send error: Feedback Self-test	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Perform reset – Update software – If necessary, replace control unit
24:23	200: write mistake: Parameter	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Perform reset – Update software – If necessary, replace control unit
24:24	200: PDO was not received	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Perform reset – Update software – If necessary, replace control unit
24:25	200: Sdo feedback: Transmission error	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Perform reset – Update software – If necessary, replace control unit
24:26	200: Self Test Timeout	– Error Stop – Immediate stop of the rotation – Clearance of the escape route	– Perform reset – Update software – If necessary, replace control unit
25:01	AUX_Out: OD Read error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
25:02	AUX_Out: Invalid function	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
25:03	AUX_Out: OD Write error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
26:01	AUX_In: OD Read error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
26:02	AUX_In: Invalid function	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
26:03	AUX_In: OD Write error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit

26:04	AUX_In: Eeprom spelling mistake	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
27:01	cycle counter: OD Read error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
27:02	cycle counter: OD Write error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
27:03	cycle counter: spelling mistake	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
27:04	cycle counter: counter overflow	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
28:01	SIL200: Undervoltage 24V	– Error Stop – Immediate stop of the rotation	– Check power supply unit 24VDC – Replace power supply unit 24DC – Perform reset – If necessary, replace control unit
28:02	SIL200: Overvoltage 24V	– Error Stop – Immediate stop of the rotation	– Check power supply unit 24VDC – Replace power supply unit 24DC – Perform reset – If necessary, replace control unit
28:03	SIL200: Undervoltage 12V	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
28:04	SIL200: Overvoltage 12V	– Error Stop – Immediate stop of the rotation	– Perform reset – If necessary, replace control unit
28:16	SIL200: No connection	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
28:17	SIL200: OD Read error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
28:18	SIL200: OD Write error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
28:19	SIL200: Invalid parameter value	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit

28:20	SIL200: spelling mistake	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
28:21	SIL200: Read error	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
29:01	SST200: OD Read failed	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
29:02	SST200: OD Write failed	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
29:03	SST200: Eeprom write failed	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
29:04	SST200:Parameter value invalid	– Error Stop – Immediate stop of the rotation	– Perform reset – Update software – If necessary, replace control unit
29:05	SST200: Slave no CAN Connection	– Error stop – Immediate stop of rotation	– Perform reset – Update software – If necessary, replace control device
29:06	SST200: Com Sdo feedback: Transmission error	– Error stop – Immediate stop of rotation	– Perform reset – Update software – If necessary, replace control device
29:07	SST200: Ctrl Sdo feedback: Transmission error	– Error stop – Immediate stop of rotation	– Perform reset – Update software – If necessary, replace control device
29:08	SST200: Send Error controller Event	– Error stop – Immediate stop of rotation	– Perform reset – Update software – If necessary, replace control device
29:09	SST200: Send Error Voice output	– Error stop – Immediate stop of rotation	– Perform reset – Update software – If necessary, replace control device
29:32	SST200: TOF-3D : Sdo Send Error	– Error stop – Immediate stop of rotation	– Perform reset – Update software – If necessary, replace control device
29:33	SST200: TOF-3D : Od Read Error	– Error stop – Immediate stop of rotation	– Perform reset – Update software – If necessary, replace control device
29:34	SST200: TOF-3D : Sdo Write Error	– Error stop – Immediate stop of rotation	– Perform reset – Update software – If necessary, replace control device

29:35	SST200: TOF-3D : not enough Sensors	– Error stop – Immediate stop of rotation	– Check number of connected sensors – Check wiring – Replace sensor if necessary
29:36	SST200: TOF-3D : too many Sensors	– Error stop – Immediate stop of rotation	– Check number of connected sensors – Check wiring – Replace sensor if necessary
29:37	SST200: TOF-3D : Sdo feedback: Transmission Error	– Error stop – Immediate stop of rotation	– Perform reset – Update software – If necessary, replace control device
29:38	SST200: TOF-3D : Communication Error	– Error stop – Immediate stop of rotation	– Perform reset – Update software – If necessary, replace control device
29:39	SST200: TOF-3D : Parameter Buffer full	– Error stop – Immediate stop of rotation	– Perform reset – Update software – If necessary, replace control device
29:48	SST200: Door blocked	– Error stop – Immediate stop of rotation	– Perform reset – Update software – If necessary, replace control device
29:49	SST200: Read Error: Door State	– Error stop – Immediate stop of rotation	– Perform reset – Update software – If necessary, replace control device
30:03	STM20: 33 Safety Beam ELS1 error	– Error stop – Technical error	– Wipe the light barrier cover or replace the device – ZLP-ELS defective, missing, or incorrectly configured
30:05	STM20: 3 AKI active	– Error stop – Technical error	– Remove moving objects in the detection zone – The error response time can be configured or the error display can be suppressed in general
30:06	STM20: 34 Error ELS2	– Error stop – Technical error	– Wipe the light barrier cover or replace the device – ZLP-ELS defective, missing, or incorrectly configured
30:09	STM20: 5 AKA active	– Error stop – Technical error	– Select the operation mode *locked* with the control panel. After the door is locked, switch to operation mode *automatic* to repeat the unlocking attempt – If manual unlocking is present, first select operation mode *manual*, operate the manual unlocking function, and then switch back to operation mode *automatic* – Check locking mechanism and, if necessary, adjust

30:11	STM20: 37 Motor current	– Error stop – Technical error	– Incorrect motor type configured – Check motor and wiring – Motor overloaded due to blockage – Replace controller – Replace motor
30:12	STM20: 6 Unlocking error	– Error stop – Technical error	– Select the operation mode *locked* with the control panel. After the door is locked, switch to operation mode *automatic* to repeat the unlocking attempt – If manual unlocking is present, first select operation mode *manual*, operate the manual unlocking function, and then switch back to operation mode *automatic* – Check locking mechanism and, if necessary, adjust
30:14	STM20: 38 Motor 1 overheat	– Error stop – Technical error	– Reset after motor cooled down
30:15	STM20: 39 Overload 24V	– Error stop – Technical error	– Check peripheral devices and wiring – Do not connect too many external devices
30:16	STM20: 7W Redundancy test	– Error stop – Technical error	– This display is always shown when the door is performing a redundancy test. If the test is successful, the display disappears again – If the display persists, an error occurred during the redundancy test
30:17	STM20: 17 Timeout open.time	– Error stop – Technical error	– Opening speed too low or escape route opening width too large – For doors with an opening width of up to 2 m, 80% of the set escape route opening width for AKI openings must be reached within 3 seconds. For wider doors, the permitted time is correspondingly longer – In the status window of the tester, the measured opening time is continuously displayed; the value should be at least +400ms
30:18	STM20: 48 NSK or SOEK activated	– Error stop – Technical error	– Emergency closing or emergency opening is active. Reset switch/button – Check wiring and external components
30:19	STM20: 49 Alarm CO48	– Error stop – Technical error	– Cord not tensioned – Check magnet spool and connections – Possible cable break, poorly adjusted switch, or defective switch
30:21	STM20: 19 Diff. oper. mode	– Error stop – Technical error	– For safety reasons, the connection between the control panel and the controller is two-channel. The error indicates that both channels do not have the same status – Check the contacts of the control panel and wiring to the controller

30:22	STM20: 50 CPU2 defective	– Error stop – Technical error	– Replace control device
30:27	STM20: 53 Interrupt. motor 1	– Error stop – Technical error	– No current can be measured on the 1st motor. Motor PCB MOT poss. not plugged in or motor supply line interrupted – Motor or controller defective
30:28	STM20: 22 Open switch open	– Error stop – Technical error	– Remove obstruction, check floor track – Check the encoder, secure fit of both operator pulleys, and toothed belt tension
30:30	STM20: 54 Calibration run	– Error stop – Technical error	– Door movement for teaching the door parameters is carried out. Trigger several door openings (usually 2) until the message disappears
30:31	STM20: 55 Power failure	– Error stop – Technical error	– No mains supply. Depending on settings and options, the door will continue to operate in battery operation. Connect to the mains
30:32	STM20: 32 Overvoltage RDC	– Error stop – Technical error	– When supplied with 24 VDC, the voltage is too high (> 28 VDC). Check voltage
30:33	STM20: 9 Battery fuse blown	– Error stop – Technical error	– With the exception of systems that are absolutely dependent on a functioning battery (e.g. redundant or escape route), the door continues to function as long as the mains voltage is available. Check whether the battery fuse is interrupted or the battery is not inserted
30:34	STM20: 40 Motor 2 overheat	– Error stop – Technical error	– Reset after motor cooled down
30:35	STM20: 41 Temp. sensor 1	– Error stop – Technical error	– Motor 1 excess temperature or motor 1 thermal sensor is defective. Wait until the motor has cooled down again – Check motor wiring for interruption or short circuit
30:36	STM20: 10 Locking error	– Error stop – Technical error	– It could not be locked properly. Depending on the configuration, the door opens by approx. 10 cm in the event of this error or remains in closed position (see *Parameter → Locking → To VRR error*). Check door leaf for possible obstruction – Use the control panel to select operation mode *automatic*, wait until the door is unlocked, switch to operation mode *locked* to repeat the locking attempt – Check locking mechanism and, if necessary, adjust

30:37	STM20: 11 Difference AKI	– Error stop – Technical error	– For safety reasons, the opening signal in the escape route direction is two-channel. Error indicates that both channels do not have the same status. Check CAN bus wiring for cable routing and termination resistor – For sensors with relay output, check that both channels are wired correctly – Check sensor
30:38	STM20: 42 Temp. sensor 2	– Error stop – Technical error	– Motor 2 excess temperature or motor 2 thermal sensor is defective. Wait until the motor has cooled down again – Check motor wiring for interruption or short circuit
30:39	STM20: 43 Encoder fault	– Error stop – Technical error	– An irregularity was detected in the encoder. Check encoder and wiring – Check the secure fit of the operator pulley and the toothed belt tension
30:40	STM20: 12 Low BAT voltage	– Error stop – Technical error	– With the exception of systems that are absolutely dependent on a functioning battery (e.g. redundant or escape route), the door continues to function as long as the mains voltage is available. Check battery connection and battery fuse
30:41	STM20: 13 Error Redundancy test	– Error stop – Technical error	– If this error is displayed together with error *22 Open position,* the system may have been obstructed during the redundancy test (see *error 30:81*) – Clean the floor track – Replace controller
30:44	STM20: 14 VAK defective	– Error stop – Technical error	– Normally open contact of the lock (VAK) does not indicate the correct status of the lock. Switch between operation modes *automatic* and *locked* with the control panel to restore the correct status – Check locking mechanism and, if necessary, adjust – Check wiring between control device and locking device
30:45	STM20: 15 EMERG OPEN	– Error stop – Technical error	– Emergency open button has been pressed. Reset emergency open button

30:47	STM20: 47 SHE active	– Error stop – Technical error	– A safety signal in the opening direction is permanently triggered. Depending on the configuration, the door stops or creeps (see Parameter→ Input/Output→ SIO → SIO function). Correctly set the door position at which the signal is shown and hidden (see *Parameter → Input/Output →* SIO) – The error response time can be configured or the error display can be suppressed in general (see *Parameter →* Miscellaneous → Alarm display → Time safety)
30:51	STM20: 57 Interrupt. motor 2	– Error stop – Technical error	– No current can be measured on the 2nd motor. Motor PCB MOT poss. not plugged in or motor supply line interrupted – Motor or controller defective
30:53	STM20: 27 RED VRR test	– Error stop – Technical error	– For safety reasons, the locking device is two-channel. The redundancy test has identified an error (e.g. short circuit) in one of the signal paths. Check wiring between locking device and controller – Replace controller
30:55	STM20: 59 ELS active	– Error stop – Technical error	– A light barrier signal is permanently triggered. Depending on the configuration, the door reverses, stops, or creeps (see Parameter→ Input/Output→ SIS). Check whether the light barrier is dirty or not covered – ELS, ZLP, or FEM defective – The error response time can be configured or the error display can be suppressed in general (see *Parameter →* Miscellaneous → Alarm display → Time safety)
30:57	STM20: 29 TOS not locked	– Error stop – Technical error	– The rotary lock is not locked during operation mode *locked*. Turn the rotary knobs to locked – Check wiring and contacts

30:58	STM20: 60 EEPROM defective	– Error stop – Technical error	– Parameter settings, history information, and maintenance information are permanently stored in EEPROM. Erroneous data was detected after restart or later during continuous testing. Frequent power outages or short circuit of the power supply. Check EEPROM and controller for defects – An older software version has been installed (downgrade) and this has found incompatible data in EEPROM. Check version – Error can only be corrected by loading the factory settings. This will cause all previous settings to be lost and the controller must be reconfigured. To do this, initiate the function *factory settings* with the MFT button (9 Pulses) or the service device and then initiate a restart with EMERGENCY STOP or EMERGENCY OPEN within 10 seconds. If the menu for language selection then appears on the control panel, the function has been executed correctly. Then reconfigure the controller
30:59	STM20: 61 SSK active	– Error stop – Technical error	– Signal of the key pivoting contact (SSK) is permanently active. Check SSK switch and wiring/connections – The error response time can be configured or the error display can be suppressed in general (see *Parameter* → Miscellaneous → Alarm display → Time trigger)
30:60	STM20: 30 TOS locked	– Error stop – Technical error	– Rotary lock is locked although the operation mode *locked* is not active. Unlock with the rotary knobs – Check wiring and contacts
30:61	STM20: 31 EMERGENCY STOP	– Error stop – Technical error	– Emergency stop button or manual unlock has been activated. Reset emergency stop button and manual unlock
30:62	STM20: 62 BDE no priority	– Error stop – Technical error	– Desired operation mode cannot currently be set on the control panel because a higher-priority operation mode is selected on a mechanical control element (e.g. BDE-M, SURV, SURA, etc.). Check the setting of the control elements
30:63	STM20: 63 Collision	– Error stop – Technical error	– A collision occurred during closing or opening. Message is automatically deleted when the original distance can be traveled again. If the message persists even though nothing else is obstructing movement, either a restart or a teach-in run must be carried out – Display can be configured to active or inactive (see Parameter → Miscellaneous → Alarm display → Collision)

30:64	STM20: 36 VOK closed l.	– Error stop – Technical error	– Normally closed contact of the locking device (VOK) does not indicate the correct status of the locking device. The contact should be open when the door is locked. Switch between operation modes *locked* and *automatic* with the control panel to restore the correct status – Check locking mechanism and, if necessary, adjust – Check wiring between control device and locking device
30:65	STM20: 51 VOK open unl.	– Error stop – Technical error	– Normally closed contact of the locking device (VOK) does not indicate the correct status of the locking device. The contact should be closed when the door is unlocked. Switch between operation modes *locked* and *automatic* with the control panel to restore the correct status – Check locking mechanism and, if necessary, adjust – Check wiring between control device and locking device
30:67	STM20: 12 BAT capacity	– Error stop – Technical error	– Battery capacity is no longer sufficient for battery operation or emergency operation. With the exception of systems that are absolutely dependent on a functioning battery (e.g. redundant or escape route), the door continues to function as long as the mains voltage is available. Charge battery, replace if necessary
30:68	STM20: 20 CO48 rubber cord	– Error stop – Technical error	– Monitoring of the rubber cord has responded. Cord break or insufficient cord tension. Check functioning of cord switch and wiring to control device – If desired, the door can be locked despite the error. To do this, first select the operation mode *locked* and then push the door closed by hand
30:69	STM20: 50 Watchdog fault	– Error stop – Technical error	– Watchdog IC on control device defective. Replace control device
30:72	STM20: 25 Secondary connection (slave)	– Error stop – Technical error	– CAN connection interrupted. Check wiring and CAN isolator – Check jumper position on controller

30:73	STM20: 47 SIO active	– Error stop – Technical error	– A safety signal in the opening direction is permanently triggered. Depending on the configuration, the door stops or creeps (see Parameter→ Input/Output→ SIO → SIO function). Correctly set the door position at which the signal is shown and hidden (see *Parameter → Input/Output →* SIO) – The error response time can be configured or the error display can be suppressed in general (see *Parameter →* Miscellaneous → Alarm display → Time safety)
30:74	STM20: 52 No running param.	– Error stop – Technical error	– Door parameters (distance, friction, ...) are unknown. These parameters are deleted each time factory settings or default parameters are loaded and the door type is changed. Perform teach-in run
30:75	STM20: 59 SIS active	– Error stop – Technical error	– Safety signal in closing direction is permanently triggered. Depending on the configuration, the door reverses, stops, or creeps (see Parameter→ Input/Output→ SIS). Remove moving objects in the detection zone of SIS sensors – Check connections, settings, and function of SIS sensor – The error response time can be configured or the error display can be suppressed in general (see *Parameter →* Miscellaneous → Alarm display → Time safety)
30:80	STM20: 21 Encoder 2 def.	– Error stop – Technical error	– An irregularity was detected in the encoder. Check encoder and wiring – Check the secure fit of the operator pulley and the toothed belt tension – Also check the other motor and encoder
30:81	STM20: 22 Open position	– Error stop – Technical error	– After an AKI opening, the escape route opening width was not reached or the position monitoring during the redundancy test has responded. Remove obstruction, check floor track – Check the encoder, secure fit of both operator pulleys, and toothed belt tension
30:83	STM20: 51 Software version	– Error stop – Technical error	– If the controller has multiple microprocessors, not all have the same software version loaded. Perform flash update
30:86	STM20: 7W Redundancy test	– Error stop – Technical error	– This display is always shown when the door is performing a redundancy test. If the test is successful, the display disappears again – If the display persists, an error occurred during the redundancy test

30:92	STM20: 92 STG relay defect	– Error stop – Technical error	– The motor relay check upon restart and then periodically revealed an error. The contacts are probably stuck together. Replace control device
30:93	STM20: 93 Overvoltage 24V	– Error stop – Technical error	– Check wiring for wiring errors and check connected peripheral devices – Perform reset – If necessary, replace control device
30:96	STM20: 96 EEPROM void	– Error stop – Technical error	– No data found in EEPROM. This is normally only displayed after the first commissioning of a new controller. Load factory settings
30:97	STM20: 97 Maintenance time exceeded	– Error stop – Technical error	– The configured maintenance cycle has been exceeded for a long time (>105%). Urgently notify the service center and have maintenance carried out – Confirming the warning resets it for 13 days
30:98	STM20: 98 Maintenance is due	– Error stop – Technical error	– 95% of the configured maintenance cycle has been reached. Notify the service center and arrange maintenance soon – Warning can be confirmed, but reappears when 100% of the maintenance cycle is reached
30:100	STM20: 100 Check mot.cabel	– Error stop – Technical error	– During start-up, the door was found to move in the wrong direction. Check polarity of motor and encoder cables – Check jumper for the configuration of the direction of rotation
30:101	STM20: 101 Learning sensor	– Error stop – Technical error	– Special door movement for teaching the sensors is carried out. Trigger door openings until the message disappears
30:102	STM20: 102 Diff. RED-Status	– Error stop – Technical error	– The mutual monitoring of safety-relevant actions has shown that both microprocessors are not in the same state. Initiate a restart with EMERGENCY OPEN – Disconnect the mains connection and battery for a short time and then plug them in again – If necessary, replace control device
30:106	STM20: 106 Brake defective	– Error stop – Technical error	– Although the brake is applied, the door has opened by 10 mm. Search for cause e.g. wiring or brake defective, rubber cord too tight, external impact
30:107	STM20: 107 SIS defective	– Error stop – Technical error	– Sensors with test input are checked before every dangerous run. An error has been detected in the safety sensor in the closing direction. Check sensor and wiring

30:108	STM20: 108 SIO defective	– Error stop – Technical error	– Sensors with test input are checked before every dangerous run. An error has been detected on the safety sensor in the opening direction. Check sensor and wiring
30:109	STM20: 109 Factory settings	– Error stop – Technical error	– Function for loading factory settings has been activated. Trigger a reset on the controller within 10 seconds
30:111	STM20: 111 Fire alarm	– Error stop – Technical error	– Fire alarm triggered. If no fire, check switch contact – Check wiring
30:112	STM20: 112 Batt not charged complete	– Error stop – Technical error	– Battery is not fully charged. Connect to mains voltage – Once the battery is fully charged, the message is no longer displayed
30:113	STM20: 113 Wrong motor	– Error stop – Technical error	– The configured motor type does not match the connected motor. Check motor configuration (see *Parameter → Operator → Motor*)
30:114	STM20: 114 Installation pos.	– Error stop – Technical error	– Trigger several door openings until the message disappears – Perform reset – Update software – If necessary, replace control device
30:115	STM20: 115 Locking bar	– Error stop – Technical error	– In the case of pharmacies control, the locking bar (APR) is not in the intended position. Move the locking bar to the correct position – Check wiring and locking bar contact
30:116	STM20: 116 Restart inhibit	– Error stop – Technical error	– After resetting an Emerg. Open or Emerg. Close, the door stops due to the restart inhibit. Press the “Reset Emerg. Open/ Emerg. Close” contact or restart the controller (reset) to release the restart inhibit – Check wiring and locking bar contact
30:117	STM20: 117 SIA active	– Error stop – Technical error	– A presence safety signal is permanently triggered. Remove moving objects in the detection zone of SIA sensors – The error response time can be configured or the error display can be suppressed in general (see *Parameter →* Miscellaneous → Alarm display → Time safety)
30:118	STM20: 118 SIA defective	– Error stop – Technical error	– Sensors with test input are checked before every dangerous run. An error has been detected on the presence safety sensor. Check sensor and wiring
30:119	STM20: 119 ZLP Bat missing	– Error stop – Technical error	– The ZLP BAT daughter board for charging the battery is not present or is defective. Insert or replace ZLP BAT

30:120	STM20: 120 Self-test not possible	– Error stop – Technical error	– Battery self-test could not be performed. Replace ZLP BAT
31:01	STG operator: Sdo feedback: Transmission error	– Error stop – Immediate stop of rotation	– Perform reset – Update software – If necessary, replace control device
31:02	STG operator: Public door no CAN Connection	– Error stop – Immediate stop of rotation	– Perform reset – Update software – If necessary, replace control device
31:03	STG operator: Secure door no CAN Connection	– Error stop – Immediate stop of rotation	– Perform reset – Update software – If necessary, replace control device
31:04	STG operator: Send Error: Door State	– Error stop – Immediate stop of rotation	– Perform reset – Update software – If necessary, replace control device

4 Status display and troubleshooting BDE-D (KTA)

The following table lists the possible status messages by their status number, together with a detailed description and information on how to correct and reset the error display.

No.	Display text i-record / BDE	Cause and effect	Possible troubleshooting
100	Internal emergency stop (TA-NHTI) activated Emergency stop TA-NHTI	– EmergencyStop – Immediate stop of the rotation – Unlocking the door	– Reset button (snap in) – Check button (check DIP switch) / replace – Check wiring
101	Outside emergency stop (TA-NHTA) actuated Emergency stop TA-NHTA	– EmergencyStop – Immediate stop of the rotation – Unlocking the door	– Reset button (snap in) – Check button (check DIP switch) / replace – Check wiring
102	Radar inside () active	– Door rotates permanently in the operating modes AUTOMATIC and ONE WAY	– Motion detector Check / replace setting – Check wiring
103	Radar outside () active	– Door rotates permanently in the operating modes AUTOMATIC and ONE WAY	– Motion detector Check / replace setting – Check wiring
104	Inside push-button for disabled persons (TA-BEHI) BEHI active	– Door rotates continuously at reduced speed in the operating modes AUTOMATIC, ONE WAY and CONTINUOUS ROTATION	– Check / replace push button – Check wiring
105	Disabled button outside (TA-BEHA) BEHA active	– Door rotates continuously at reduced speed in the operating modes AUTOMATIC, ONE WAY and CONTINUOUS ROTATION	– Check / replace push button – Check wiring
106	Key swivel contact (TA-) active	– Door rotates permanently	– Check / replace switch – Check wiring
107	Start button 1 Stator (TA-1_) TA-1 Stator active	– Door rotates permanently	– Check / replace push button – Check wiring
108	Start button 2 Stator (TA-2_S) TA-2 Stator active	– Door rotates permanently	– Check / replace push button – Check wiring
109	Vertical sensor stator inside (OP-VSSI) VSSI active	– OptoStop, OptoSlow, depending on the adjusted sensor function stop the rotation or reduce the rotation speed in the active range of the sensor	– Check / replace sensor setting – Check wiring
110	External vertical sensor stator (OP-VSSA) VSSA active	– OptoStop, OptoSlow, depending on the adjusted sensor function stop the rotation or reduce the rotation speed in the active range of the sensor	– Check / replace sensor setting – Check wiring

111	Vertical sensor rotor blade 1 (OP-VSR1) VSR1 active	– OptoStop, OptoSlow, depending on the sensor function set Stop rotation or reduce rotation speed	– Check / replace sensor setting – Check wiring
112	Vertical sensor rotor blade 2 (OP-VSR2) VSR2 active	– OptoStop, OptoSlow, depending on the sensor function set Stop rotation or reduce rotation speed	– Check / replace sensor setting – Check wiring
113	Vertical sensor rotor blade 3 (OP-VSR3) VSR3 active	– OptoStop, OptoSlow, depending on the sensor function set Stop rotation or reduce rotation speed	– Check / replace sensor setting – Check wiring
114	Vertical sensor rotor blade 4 (OP-VSR4) VSR4 active	– OptoStop, OptoSlow, depending on the sensor function set Stop rotation or reduce rotation speed	– Check / replace sensor setting – Check wiring
115	Safety edge inside drum edge (-TRKI) -TRKI active	– SafetyStop, Immediate stop of the rotation	– Remove object from safety edge, possibly dirt on the floor, under a heel guard – Check safety strip (wiring, resistance value) – Replace safety edge
116	Safety edge outside drum edge (-TRKA) -TRKA active	– SafetyStop, Immediate stop of the rotation	– Remove object from safety edge, possibly dirt on the floor, under a heel guard – Check safety strip (wiring, resistance value) – Replace safety edge
117	Horizontal safety bar rotor blad 1 (-FES1) -FES1 active	– SafetyStop, Immediate stop of the rotation	– Remove object from safety edge, possibly dirt on the floor, under a heel guard – Check safety strip (wiring, resistance value) – Replace safety edge
118	Vertical safety bar rotor blade 1 (-VSR1) -VSR1 active	– SafetyStop, Immediate stop of the rotation	– Remove object from safety edge, possibly dirt on the floor, under a heel guard – Check safety strip (wiring, resistance value) – Replace safety edge
119	Horizontal safety bar rotor blad 2 (-FES2) -FES2 active	– SafetyStop, Immediate stop of the rotation	– Remove object from safety edge, possibly dirt on the floor, under a heel guard – Check safety strip (wiring, resistance value) – Replace safety edge
120	Vertical safety bar rotor blade 2 (-VSR2) -VSR2 active	– SafetyStop, Immediate stop of the rotation	– Remove object from safety edge, possibly dirt on the floor, under a heel guard – Check safety strip (wiring, resistance value) – Replace safety edge

121	Horizontal safety bar rotor blad 3 (-FES3) -FES3 active	– SafetyStop, Immediate stop of the rotation	– Remove object from safety edge, possibly dirt on the floor, under a heel guard – Check safety strip (wiring, resistance value) – Replace safety edge
122	Vertical safety bar rotor blade 3 (-VSR3) -VSR3 active	– SafetyStop, Immediate stop of the rotation	– Remove object from safety edge, possibly dirt on the floor, under a heel guard – Check safety strip (wiring, resistance value) – Replace safety edge
123	Horizontal safety bar rotor blad 4 (-FES4) -FES4 active	– SafetyStop, Immediate stop of the rotation	– Remove object from safety edge, possibly dirt on the floor, under a heel guard – Check safety strip (wiring, resistance value) – Replace safety edge
124	Vertical safety bar rotor blade 4 (-VSR4) -VSR4 active	– SafetyStop, Immediate stop of the rotation	– Remove object from safety edge, possibly dirt on the floor, under a heel guard – Check safety strip (wiring, resistance value) – Replace safety edge
125	Fire alarm contact (BMZ) Fire alarm	– Immediate stop of the rotation – Release of the escape route via HST200	– Check / replace switching contact – Check wiring
126	Night shutter not open or drum wall breakout not closed (UW-POS1_) UW-POS1 stator active	– Immediate stop of the rotation	– Check / replace switching contact – Check wiring
127	Night shutter not open or drum wall breakout not closed (UW-POS2_S) UW-POS2 stator active	– Immediate stop of the rotation	– Check / replace switching contact – Check wiring
128	Pendulum wing 1 deflected (UW-POS1_R) UW-POS1 rotor active	– Immediate stop of the rotation	– Check / replace switching contact – Check wiring
129	Pendulum wing 2 deflected (UW-POS2_) UW-POS2 rotor active	– Immediate stop of the rotation	– Check / replace switching contact – Check wiring
130	Commissioning required Learning cycle required	– Immediate stop of the rotation	– Commissioning with i-record
131	Self-test is executed Self-test active	– Stop the rotation	– Self-test is executed
132	Escape route, turnstile wing released Breakout wing enabled	– Immediate stop of the rotation – Release of the escape route via 200	– See triggering states – Correct error according to error list

133	Flow sensor rotor blade 1 (OP-VLS1) OP-VLS1 active	– OptoStop, OptoSlow, depending on the sensor function set Stop rotation or reduce rotation speed	– Check / replace sensor setting – Check wiring
134	Flow sensor rotor blade 2 (OP-VLS2) OP-VLS2 active	– OptoStop, OptoSlow, depending on the sensor function set Stop rotation or reduce rotation speed	– Check / replace sensor setting – Check wiring
135	Start button 1 Rotor (TA-1_R) TA-1 rotor active	– Door rotates permanently	– Check / replace push button – Check wiring
136	Start button 2 Rotor (TA-2_R) TA-2 rotor active	– Door rotates permanently	– Check / replace push button – Check wiring
137	Internal stator safety bar 2 (-2) -2 active	– SafetyStop, Immediate stop of the rotation	– Check safety strip (wiring, resistance value) – Replace safety edge
138	Safety bar stator inside 3 (-3) -3 active	– SafetyStop, Immediate stop of the rotation	– Check safety strip (wiring, resistance value) – Replace safety edge
139	Safety bar stator inside 4 (-4) -4 active	– SafetyStop, Immediate stop of the rotation	– Check safety strip (wiring, resistance value) – Replace safety edge
140	Outer stator safety bar 2 (-2) -SO2 active	– SafetyStop, Immediate stop of the rotation	– Check safety strip (wiring, resistance value) – Replace safety edge
141	Outer stator safety bar 3 (-3) -SO3 active	– SafetyStop, Immediate stop of the rotation	– Check safety strip (wiring, resistance value) – Replace safety edge
142	Outer stator safety bar 4 (-4) SL-SO4 active	– SafetyStop, Immediate stop of the rotation	– Check safety strip (wiring, resistance value) – Replace safety edge
143	Sliding door not closed Sliding door open	– Immediate stop of the rotation	– Check sliding door control setting – Check wiring
144	Test error vertical sensor stator inside (OP-VSSI) OP-VSSI test error	– ErrorStop, Immediate stop of the rotation	– Check / replace sensor
145	Test error vertical sensor external stator (OP-VSSA) OP-VSSA test error	– ErrorStop, Immediate stop of the rotation	– Check / replace sensor
146	Test error vertical sensor rotor blade 1 (OP-VSR1) OP-VSR1 test error	– ErrorStop, Immediate stop of the rotation	– Check / replace sensor

147	Test error vertical sensor rotor blade 2 (OP-VSR2) OP-VSR2 test error	– ErrorStop, Immediate stop of the rotation	– Check / replace sensor
148	Test error vertical sensor rotor blade 3 (OP-VSR3) OP-VSR3 test error	– ErrorStop, Immediate stop of the rotation	– Check / replace sensor
149	Test error vertical sensor rotor blade 4 (OP-VSR4) OP-VSR4 test error	– ErrorStop, Immediate stop of the rotation	– Check / replace sensor
150	Test error Horizontal light barrier Rotor blade 1 (OP-HSR1) OP-HSR1 test error	– ErrorStop, Immediate stop of the rotation	– Check / replace sensor
151	Test error Horizontal light barrier Rotor blade 2 (OP-HSR2) OP-HSR2 test error	– ErrorStop, Immediate stop of the rotation	– Check / replace sensor
152	Test error flow sensor rotor blade 1 (OP-1) OP- 1 test error	– ErrorStop, Immediate stop of the rotation	– Check / replace sensor
153	Test error flow sensor rotor blade 2 (OP-2) OP-2 test error	– ErrorStop, Immediate stop of the rotation	– Check / replace sensor
154	Horizontal light barrier rotor blade 1 (OP-HSR1) OP-HSR1 active	– OptoStop, Immediate stop of the rotation	– Check / replace sensor – Check wiring
155	Horizontal light barrier rotor blade 2 (OP-HSR2) OP-HSR2 active	– OptoStop, Immediate stop of the rotation	– Check / replace sensor – Check wiring
156	Stormlock (AuxIn) AUX-IN Stormlock active	– Immediate stop of the rotation – Release of the Stormlock interlocks	– Check / replace switching contact – Check wiring
157	Emergency open (AuxIn) AUX-IN Emerg. Exit active	– Immediate stop of the rotation – Release of the escape route via HST200	– Check / replace switching contact – Check wiring
158	Vertical sensor STOP rotor blade 1 (OP-VSR12) VSR1_STOP active	– OptoStop, Immediate stop of the rotation	– Check / replace sensor setting – Check wiring

159	Vertical sensor STOP rotor blade 2 (OP-VSR22) VSR2_STOP active	– OptoStop, Immediate stop of the rotation	– Check / replace sensor setting – Check wiring
+160	Vertical sensor STOP rotor blade 3 (OP-VSR32) VSR3_STOP active	– OptoStop, Immediate stop of the rotation	– Check / replace sensor setting – Check wiring
161	Vertical sensor STOP rotor blade 4 (OP-VSR42) VSR4_STOP active	– OptoStop, Immediate stop of the rotation	– Check / replace sensor setting – Check wiring
162	Test error vertical sensor STOP rotor blade 1 (OP-VSR12) OP-VSR1_STOP test error	– ErrorStop, Immediate stop of the rotation	– Check / replace sensor
163	Test error vertical sensor STOP rotor blade 2 (OP-VSR22) OP-VSR2_STOP test error	– ErrorStop, Immediate stop of the rotation	– Check / replace sensor
164	Test error vertical sensor STOP rotor blade 3 (OP-VSR32) OP-VSR3_STOP test error	– ErrorStop, Immediate stop of the rotation	– Check / replace sensor
165	Test error vertical sensor STOP rotor blade 4 (OP-VSR42) OP-VSR4_STOP test error	– ErrorStop, Immediate stop of the rotation	– Check / replace sensor
166	Horizontal safety bar rotor blade backwards 1 (-FES1.2) -FES12 active	– SafetyStop, Immediate stop of the rotation	– Remove object from safety edge, possibly dirt on the floor, under a heel guard – Check safety strip (wiring, resistance value) – Replace safety edge
167	Vertical safety bar rotor blade backwards 1 (SL-VSR1.2) SL-VSR12 active	– SafetyStop, Immediate stop of the rotation	– Remove object from safety edge, possibly dirt on the floor, under a heel guard – Check safety strip (wiring, resistance value) – Replace safety edge
168	Horizontal safety bar rotor blade backwards 2 (-FES2.2) -FES22 active	– SafetyStop, Immediate stop of the rotation	– Remove object from safety edge, possibly dirt on the floor, under a heel guard – Check safety strip (wiring, resistance value) – Replace safety edge

169	Vertical safety bar rotor blade backwards 2 (-VSR2.2) SL-VSR22 active	– SafetyStop, Immediate stop of the rotation	– Remove object from safety edge, possibly dirt on the floor, under a heel guard – Check safety strip (wiring, resistance value) – Replace safety edge
170	Horizontal safety bar rotor blade backwards 3 (-FES3.2) SL-FES32 active	– SafetyStop, Immediate stop of the rotation	– Remove object from safety edge, possibly dirt on the floor, under a heel guard – Check safety strip (wiring, resistance value) – Replace safety edge
171	Vertical safety bar rotor blade backwards 3 (SL-VSR3.2) SL-VSR32 active	– SafetyStop, Immediate stop of the rotation	– Remove object from safety edge, possibly dirt on the floor, under a heel guard – Check safety strip (wiring, resistance value) – Replace safety edge
172	Horizontal safety bar rotor blade backwards 4 (SL-FES4.2) SL-FES42 active	– SafetyStop, Immediate stop of the rotation	– Remove object from safety edge, possibly dirt on the floor, under a heel guard – Check safety strip (wiring, resistance value) – Replace safety edge
173	Vertical safety bar rotor blade backwards 4 (SL-VSR4.2) SL-VSR42 active	– SafetyStop, Immediate stop of the rotation	– Remove object from safety edge, possibly dirt on the floor, under a heel guard – Check safety strip (wiring, resistance value) – Replace safety edge

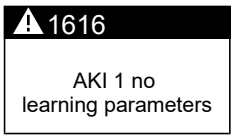
5 Error displays of extra units on CAN bus

Those error numbers consist of 4 digits as follows:

– Digit 1 + 2 indicate the reason of the error

– Digit 3 + 4 specify the name of the unit

Example: error number **1616** means that sensor AKI 1 does not have any learning parameter and a learn-in run has to be performed.



All these errors can only be repaired by a qualified service technician.

Figures		Display text	Comments and possible troubleshooting
1+2	3+4		
11	--	node not found	The door controller could not establish any connection to the external unit or the communication on the bus is disturbed. – Check connection for correct wiring and terminating resistor. – Ensure correct address of external unit with DIP switch.
12	--	connect.(SEND)	The external unit has detected an error while sending a message. – In case of error see node not found.
13	--	connect.(RECV)	The external unit has detected an error while receiving a message. – In case of error see node not found.
14	--	defective	Parameter settings are permanently saved in the of the external unit. Faulty data have been detected after a restart or later on during the continuous testing of the content. – An old software version has been installed (downgrade) which could not find compatible data in the . – Numerous power failures or by-pass of the mains supply. – The external unit is faulty and must be replaced. – The error can only be eliminated by downloading the factory settings. As a consequence, all the current settings are lost and the door controller must be configured again.
15	--	void	No data has been found in the . Normally, this message only appears after commissioning a new door controller for the first time. – Load factory settings.
16	--	No running param.	No learning parameters. – Execute function *Learning sensor*.
17	--	HW defective	An error has arisen in the hardware of the external unit. – Replace unit.
18	--	Redundancy path	An error has been detected in the redundant part of a sensor. – Change antenna position. – Redundant part defective, replace unit.
19	--	Background check	The background is not appropriate for this sensor. – Deactivate background test. – Error in IR part, replace unit.

20	--	Software error	An error has arisen in the software of the external unit. – Carry out a new start. If the error is still active after this, the unit must be replaced.
21	--	connection blocked	The anti-burglary protection has responded and locked the connection to the external unit. – If the door is locked, no external units, such as , and x, may be connected to the . – Unlock door, briefly press key or actuate the EMERGENCY STOP switch.
22	--	SAFETY_LEVEL	The sensor is not allowed for the security level required by the door controller. – Replace sensor with an appropriate redundant sensor.
23	--	Communication Error	– An error occurred within the -Communication with an external unit. – in case of error, see no -Connection (11) – Check the DIP-switch Primary/Secondary on the external unit – Primary/Secondary on external unit – Exchange unit
24	--	Background learning error	The learning has not been executed successfully. – Execute the function Sensor learning – In case of error, see "Background Test" (19)
--	**02**	Secondary	Secondary door controller (,)
--	**03**	2	Microprocessor (/) – To reset the error, remove mains and battery voltage.
--	**08**	1	Presence detector inside 1
--	**09**	2	Presence detector inside 2
--	**10**	1	Presence detector outside 1
--	**11**	2	Presence detector outside 2
--	**12**		Left side surveillance
--	**13**	SR	Right side surveillance
--	**16**	1	Triggering sensor inside 1
--	**17**	2	Triggering sensor inside 2
--	**18**	1	Triggering sensor outside 1
--	**19**	2	Triggering sensor outside 2
--	**22**	0	Extended functions module 0
--	**23**	1	Extended functions module 1
--	**24**	2	Extended functions module 2
--	**25**	3	Extended functions module 3
--	**26**	4	Extended functions module 4
--	**27**	5	Extended functions module 5

--	**28**	6	Extended functions module 6
--	**29**	7	Extended functions module 7
--	**30**	1	1st control unit
--	**31**	2	2nd control unit
--	**32**		Service unit 902

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