Table of contents

1. Safety instructions

Warning symbols

DANGER DANGER denotes a dangerous situation which, if ignored, could lead to death or serious injury.

WARNING WARNING denotes a dangerous situation which, if ignored, could lead to death or serious injury.

CAUTION CAUTION denotes a dangerous situation which, if ignored, could lead to injuries.

ATTENTION ATTENTION denotes a situation which could lead to material damage.

NOTE NOTE denotes a statement which is provided for information only.

2. Information

Thank you for having decided to purchase SECURE*connect* 200, a safe and compact power and data transmission unit intended for use with motor-driven or electromechanical locking systems.

2.1 General advice

This manual contains important advice which must be followed in order to prevent hazard, ensure the reliable functioning and long service life of SECURE*connect* 200, and to reduce downtimes and repair cost.

The instructions must be read carefully by every person handling SECURE*connect* 200, e.g., during

- Installation and electrical connection
- Start-up and maintenance

It is essential that the information given in this manual, especially the chapters concerned with safety, should be observed.

After installation, the instruction manual must be handed over to the operating company/user who should read it carefully before operating the unit the first time and keep it for later service and maintenance. Please point out the necessity to read these instructions thoroughly to all users and responsible persons.

2.2 Delivery contents

The package contains:

Delivery contents	
Qty.	Designation
1 pc.	SECURE*connect* 200R (component for door frame)
1 pc.	SECURE*connect* 200F (component for door leaf)
4 m	230 V mains cable with Europlug
4 m	Connecting cable with input terminals
1 pc.	SECURE*connect* 200R plastic contact holder with 3 contact plates
1 bag	8 fastening screws for attachment of face plates 1 rubber grommet, 1 cable tie for strain relief
1 pc.	Mounting and operating Instructions
1 pc.	Installation manual

3. Technical description

3.1 Range of application

The SECURE*connect* 200R and 200F components are designed for vertical installation in the the frame and the door leaf, respectively.

It is not permitted to operate the unit in exterior gate or door assemblies where ambient conditions require a higher protection class than IP 40.

SECURE*connect* 200 must not be used for purposes other than the intended use.

'Intended use' comprises the observance of the manufacturer's operating and service instructions which is essential for the avoidance of damage and injury.

The companies GU and BKS exclude any liability for damage arising from changes made on the lock or on the lock connection without their consent.

Suitable for installation in timber, PVC, and metal door assemblies with the use of profile-specific screw-on type faceplates.

- Short-circuit proof power transmission between door frame and leaf.
- Encrypted data transmission.
- All deliveries are made on the basis of the General Terms and Conditions of the company GU.

3.1.1 SECURE*connect* 200R for installation in the door frame

- Power and data transmission unit for motor-driven or electromechanical locking systems from GU and BKS.
- Communication interface to the BKS-NET bus, output of lock status to IO module (module IO5 or IO10).
- Status indicator LEDs.
- Optional voltage supply of DC 24 V or AC 230 V

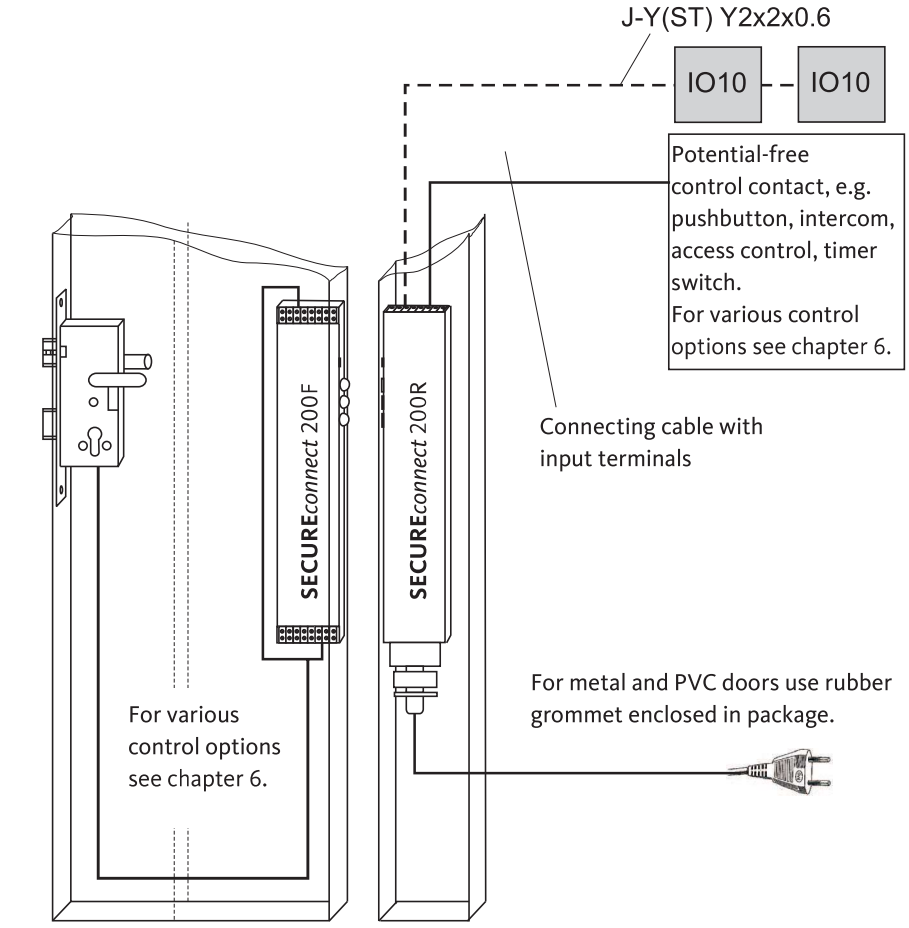
3.1.2 SECURE*connect* 200F for installation in the door leaf

- Power and data transmission unit for motor-driven or electromechanical locking systems from GU and BKS.
- Long-life tappet contacts (no need of a cable duct).
- Any door opening angle possible
- Unhindered hinging and unhinging of door leaf.
- 4 inputs for transmission of lock status
- Power output 20 mA for connection of LED signalling 'open'.
- Status indicator LEDs.
- Compartment for extension modules for possible future applications.
- Once installed, the unit is maintenance-free.

3.2 Technical data

Supply voltage	AC 230 V 50/60 Hz 0.25 A or DC 24 V stabilised 1.0 A
Type of protection	IP 40
Protection class	II
Operating temperature	-20 °C ... +45 °C

3.3 Schematic view



For detailed recess dimensions see drawing 0-45733-L0.

4. Safety advice

It is necessary to ensure that only trained specialists (for the definition thereof see EN 50110-1, DIN VDE 0105 or IEC 60364) are charged with jobs related to the product (planning, transport, assembly, installation, start-up, maintenance, repair, dismantling).

Moreover, it is necessary to ensure that the documents required for installation, start-up, operation, maintenance and repair of the product are made available to the specialists and observed by them duly.

⚠ DANGER

Installation works involving the use of electrical equipment are dangerous.

Insufficient wire cross sections may cause a fire. Therefore it is important to always observe the specified cross sections.

Connections to a 230 V mains are dangerous to life !

The installation of electrical components must be carried out by trained electricians only. Non-observance of the installation advice may result in fire and other hazards.

- Observe operating instructions before connection to the mains.
- Relieve supply line from strain by an appropriate means.
- Do not damage connecting cables.
- Use enclosed rubber grommet on cable outlet from profile.
- Observe standards and regulations for extra-low voltage (SELV) during installation and laying of cables.
- By no means switch a 'permanent OPEN' contact when using the unit on smoke and fire protection doors (DIN 18250)! This will nullify the door assembly's fire approval.

- The door leaf part of SECURE*connect* has an integral energy storage ensuring that in the event of a power failure during short-time 'OPEN', the retracted latchbolts of all mechatronic GU-BKS locks will eject to be ready for locking. This provides for safe and reliable door locking in the event of a fire.
- SECURE*connect* 200R features an internal 2 A fuse which is not accessible from outside and not suitable for being exchanged. Opening the device will damage it and nullify its warranty.
- Disconnecting the unit from the mains is done by pulling the power plug from the socket.
  The socket must be freely accessible.
  If SECURE*connect* 200 is connected to the electricity supply permanently, it is necessary to provide for switch off by means of a suitable and appropriately marked device on the building's distribution board, e.g. a switch, fuse, or automatic cutout.
- This manual is part of the product and must remain with the end user.

5. Mounting preparations

The electronic components should be installed with utmost care since chafed or defective cables, damaged contacts etc. may seriously affect the safety of the system and cause its failure. Ensure that all components are in faultless state before mounting them.

ATTENTION **It is imperative to observe the attached assembly drawing!**

5.1 Mounting the faceplates

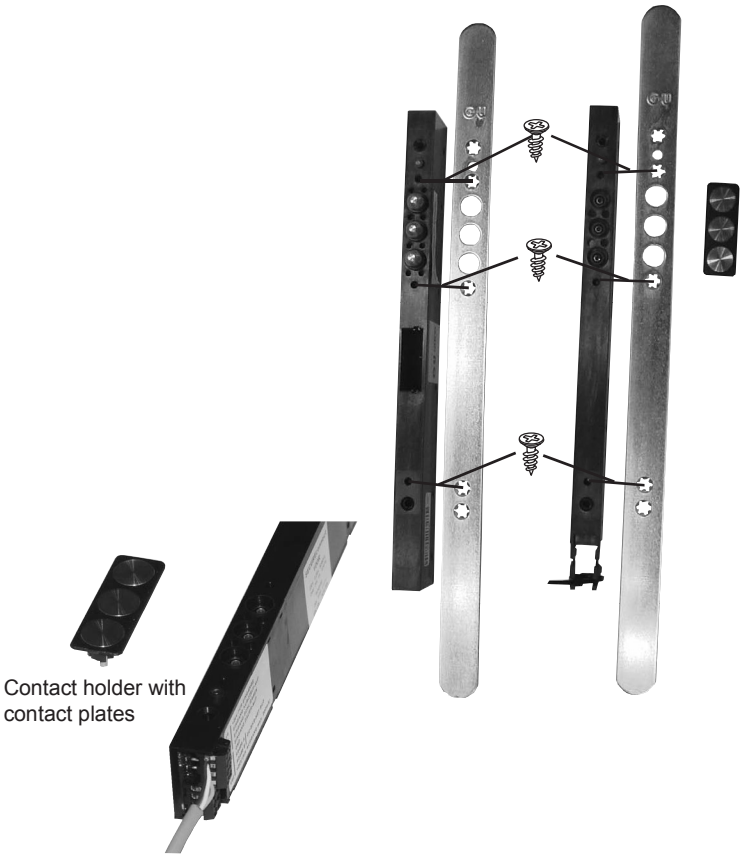
Attach SECURE*connect* 200R and SECURE*connect* 200F to the corresponding faceplate, each, using the special 4 x 7 Torx screws included in the bag (8 altogether).

Tighten screws with a max. torque of 1.0 Nm using a TORX T20 suitable tool only.

5.2 Mounting the contact holder with contact plates

After having attached the faceplate, mount the contact holder with the 3 contacts to SECURE*connect* 200R.

The 3 contact plates are firmly attached to the contact holder, so all you have to do is press the unit through the faceplate bores into the provided jacks, you will feel the part snap in lightly.
If necessary, the contact unit can be levered out again carefully using an appropriate tool, e.g. an screw driver.



5.3 Regulating the rebate clearance

The factory setting of SECURE*connect* 200F regarding the rebate clearance is 0 - 6 mm. For increasing this value to 6 - 12 mm, it is possible to pull out the restricting brackets on the side of the tappet contacts using a small screwdriver. In doing so, the adhesive label "Hubverstellung der Kontakte" (adjustment of contact travel) must be removed carefully and re-attached afterwards. The tappet contacts now protrude 12 mm from the device.

Do not reinsert the restriction brackets with the rebate clearance set to 6 - 12 mm !

If you wish to limit SECURE*connect* 200F to a rebate clearance of 6 mm again, press back the tappet contacts until stop and reinsert the restricting brackets.

ATTENTION **Do not adjust to 6 - 12 mm rebate clearance if the clearance is smaller than 6 mm. This would increase the strain on the contacts and reduce the service life of the device.**

Reattach the adhesive label for protection !

5.4 Installation in the door

Depending on the door material (timber, metal, PVC), different fastening screws must be used for the installation of SECURE*connect* 200; type and length of the screws vary according to the door profile used.

It is important, however, that the max. screw diametre does not exceed 4.0 mm. The fastening screws should allow for being inserted through the faceplate and SECURE*connect* 200 without any resistance.

Ensure that there is sufficient space for a cable loop.

Be careful to not deform the faceplate when fastening SECURE*connect* 200 to the door (this refers especially to flat faceplates).

In installed condition, the tappet contacts of SECURE*connect* 200F and the contact surfaces of SECURE*connect* 200R must be exactly aligned, the maximum tolerable offset is 2 mm.

Figure shows installation in timber doors.

In the case of metal and PVC doors, SECURE*connect* 200F is fastened by the faceplate screws.

Please consider enclosed installation drawing 0-45733-LO.

6. Wiring advice

6.1 Wiring and electrical connection

CAUTION **Observe standards and regulations for extra-low voltage (SELV) during installation and laying of cables.**

The cables must be laid in such a way that they cannot be squeezed in or dammaged in the area of the lock forend during installation.

Distribution boxes must be accessible for maintenance work. Cable types, lengths, and cross sections must conform to the specifications.

6.2 SECURE*connect* 200 terminals

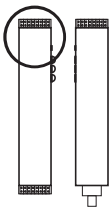
To facilitate connection, all terminals can be disconnected from the front.

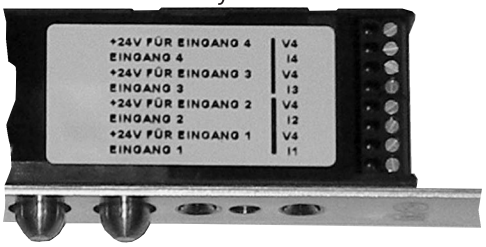
6.3 Connection terminals of SECURE*connect* 200F (leaf part)

6.3.1 Terminals for monitoring contacts (I1 - 14 / V4)

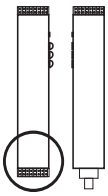
This is where the door monitoring contacts of the electromechanical or motor-driven locks (if provided) are connected.

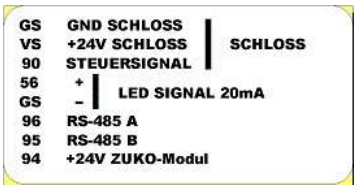
With the door closed, the feedback signals are transmitted to SECURE*connect* 200R (frame part) in an encrypted way and put out 1:1 to a potential-free changeover contact via the relays of a connected I/O module IO10 (optional)- see connection diagram in chapter 8.





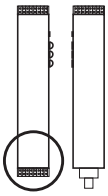
6.3.2 Connection terminals for electrical locks

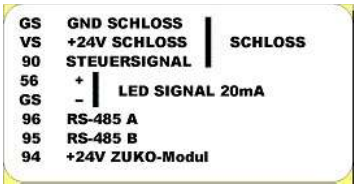




The terminals GS, VS, and 90 are provided for the connection of mechatronic locks from GU-BKS (for particular connection diagrams see chapter 8).

6.3.3 Connection terminals for LED

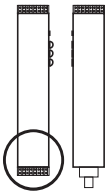


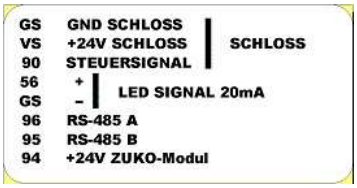


Terminals 56 and GS are provided for the connection of an LED signalling unlocked status. This is useful, e.g., for illuminated door knobs or push bars. The power output is short circuit protected and limited to 20 mA which allows the LED to be connected without pre-resistor.

Approx. 3 s after door release, the power output is switched on for the duration of release. The duty ratio depends on the charge condition of the capacitors with the door OPEN or permanent OPEN mode

6.3.4 Connection terminals for access control module



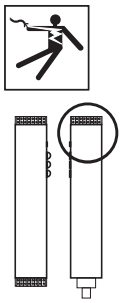


These terminals are provided for connection to an access control module (i.e. finger scanner or PIN code keypad). A pre-configured system cable is delivered with the access control modules. For further details to operate the access control modules please refer to the corresponding manuals.

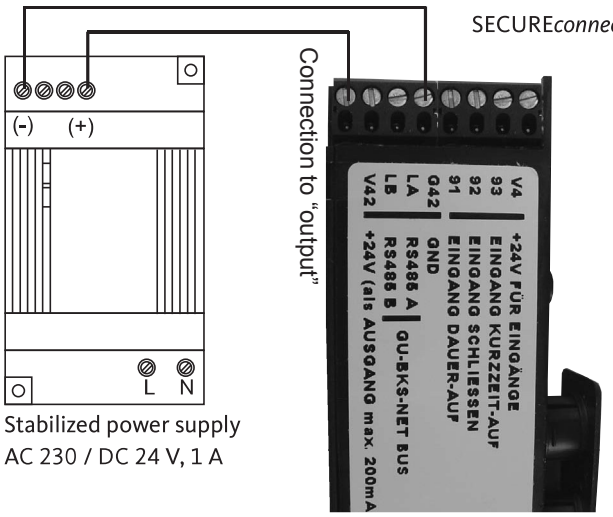
6.4 Connection terminals of SECURE*connect* 200R (frame part)

6.4.1 Terminals for external DC 24 V voltage supply

The terminals V42 and G42 are provided for the connection of an external DC 24 V voltage supply to operate SECURE*connect* 200



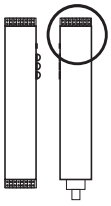
ATTENTION **Only DC 24 V voltage sources in accordance with EN 60950 may be used.**



Stabilized power supply
AC 230 / DC 24 V, 1 A

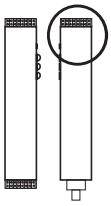
6.4.2 Connection terminals for BKS-NET bus

Terminals LA and LB are assigned for the connection of the BKS-NET bus.



V4	+24V FÜR EINGÄNGE	
93	EINGANG KURZZEIT-AUF	
92	EINGANG SCHLIESSEN	
91	EINGANG DAUER-AUF	
G42	GND	
LA	RS485 A	GU-BKS-NET BUS
LB	RS485 B	
V42	+24V (als AUSGANG max. 200mA)	

This bus allows SECURE*connect* 200 to communicate with other compatible bus participants (e.g. escape door control unit FTNT10). Further functional details are to be taken from the BKS-NET installation and operating instructions.



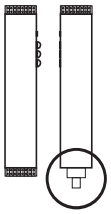
6.4.3 Connection terminals for control inputs

V4	+24V FÜR EINGÄNGE	
93	EINGANG KURZZEIT-AUF	
92	EINGANG SCHLIESSEN	
91	EINGANG DAUER-AUF	
G42	GND	
LA	RS485 A	GU-BKS-NET BUS
LB	RS485 B	
V42	+24V (als AUSGANG max. 200mA)	

The terminals V4, 91, 92, 93 are provided for potential-free contacts required to open and close the door. (Pushbutton, relays, access control etc.)

6.4.4 Connecting a AC 230 V voltage supply

SECURE*connect* 200 is suited for operation with AC 230 V voltage.



SECURE*connect* 200R

for drill hole Ø20

ATTENTION **With metal and PVC doors, it is necessary to drill a cable inlet with a minimum diametre of 20 mm.**

The mains cable is plugged in at the bottom side of SECURE*connect* 200R and must be fixed by all means with the attached cable tie to prevent it from coming loose.

The borehole must be fitted with the enclosed rubber grommet to protect the lead.

All edges touched by the mains cable must be unsharp and free of burrs.

If SECURE*connect* 200 is connected to AC 230 V, a DC 24 V (0.2 A) voltage for external devices will be available at terminals V42 and G42.

7. Start-up

Please observe the mounting advice given in chapter 5!

- Install SECURE*connect* 200F in the door leaf and connect the electrical lock according to the particular connection diagram.

ATTENTION

Cables may be damaged when turning in the fastening screws.

We recommend: Insert screw through device and fix cable beside the screw with adhesive tape.

- Install SECURE*connect* 200R in the door frame exactly on the opposite side.
- Ensure that the tappet contacts of SECURE*connect* 200F exactly coincide with the contact surfaces of SECURE*connect* 200R as the door closes (see also installation drawing 0-45733-L0).
- Connect SECURE*connect* 200R to the operating voltage supply' (AC 230 V or DC 24 V).

7.1 Establishing communication

7.1.1 Pairing

At start-up, the status LED of SECURE*connect* 200 will be flashing alternately red and green as soon as the operating voltage has been applied. The status LED on SECURE*connect* 200F flashes green as soon as the door has been closed once for a short time and supplied with voltage. This indicates normal functioning. At this stage every SECURE*connect* 200R component could communicate openly and function perfectly with any SECURE*connect* 200F component. Data transmission between the two components are AES-encrypted.

SECURE*connect* 200R and *SECUREconnect* 200F – after having been connected with each other for 15 minutes – enter into an inseparable „partnership“ (pairing) by generating a random code which will be exchanged between the two components later on. Afterwards SECURE*connec*t 200R and SECURE*connect* 200F will no longer accept any other frame or leaf parts.

A pairing process between SECURE*connect* 200F and the connected access control module is also effected. Once the access control module has been connected to a SECURE*connect* 200F it is impossible to exchange it.

7.1.2 Re-pairing

In order to exchange a component of the door system (SECURE*connect* 200R, SECURE*connect* 200F or access control module) you have to start a re-pairing procedure.

For doing so, close the reset contact on the board of the SECURE*connect* 200F or the SECURE*connect* 200R for 3 s. We recommend to use an alligator clip while doing. Afterwards remove the clip. The pairing process for SECURE*connect* 200R, SECURE*connect* 200F and the access control module restart.

7.2 LED signalling

The LED indication of SECURE*connect* 200 is an important means during start-up or when it comes to trouble shooting. It provides information on the different status of the device.

7.2.1 LED indication on SECURE*connect* 200R

LED green / LED red 0.5 Hz flashing alternately	Normal status, not paired, no communication with other devices linked to the BKS-NET bus
LED green / LED red 1 Hz flashing alternately	Normal status, not paired, communication with at least one device linked to the BKS-NET bus
LED green 0.5 Hz flashing	Normal status, paired, no communication with other devices linked to the BKS-NET bus
LED green 1 Hz flashing	Normal status, paired, communication with at least one device linked to the BKS-NET bus
LED red 2 Hz flashing	Temperature too high
LED red 5 Hz flashing	Trouble: Short circuit

Display with door open and closed.

7.2.2 LED indication on SECURE*connect* 200F

LED green 1 Hz flashing	Normal status, not paired
LED green 0.5 Hz flashing	Normal status, paired
LED green off	Power supply between SECURE*connect* 200R and 200F interrupted for a longer period of time
LED green 5 Hz flashing	Trouble: Short circuit, switch-off, capacitors....

Display with door closed, and up to 15 s after door opening

Explanation:

5 Hz = 5 flashes per second

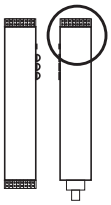
2 Hz = 2 flashes per second

1 Hz = LED 0.5 seconds on, 1 flash per second

0.5 Hz = LED 1 second on

7.3 Functions with motor-driven locks

7.3.1 Short-time OPEN (short-term release)



If a potential-free contact connected to terminals 93 / V4 is actuated with the door closed, SECURE*connect* 200F receives the signal to release the electrical lock and to retract the latch.

When the door is opened, the electrical lock will extend the latch again after 3 s, so the door will be locked without delay as it is closed again.

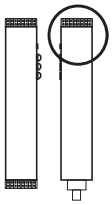
If the door remains closed, the latchbolt will extend after 2 - 20 s (time adjustable).

ATTENTION **Here it may happen that the extended latchbolt hits the striker. In that case, please check the locking status of the door.**

If a potential-free contact (gating pulse) connected to terminals 93 / V4 is actuated permanently, the electrical lock remains open for the duration of the signal.

- When the door is opened, the electrical lock will extend the latch again after 3 s.
- When the door is closed again, the electrical lock will retract the latch.

7.3.2 Permanent OPEN (unlocking)



If a potential-free contact connected to terminals 91 / V4 is actuated with the door closed, SECUREc*onnect* 200F receives the signal to retract the latch.

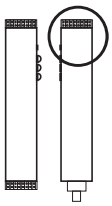
The latch remains retracted permanently.

ATTENTION

The electrical lock will not re-lock automatically.

The application of this function is not permitted with fire rated doors (DIN 18250) ! Non-compliance will result in the revocation of the door's fire approval !

7.3.3 Door locking



If a potential-free contact (gating pulse) connected to terminals 92 / V4 is actuated with the door closed, SECURE*connect* 200F receives the signal to re-lock the electrical lock.

ATTENTION

Here it may happen that the extended latchbolt hits the striker.

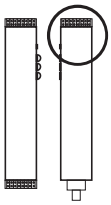
In that case, please check the locking status of the door.

NOTE

If the functions „Permanent OPEN" and „Door locking" are controlled via a time switch and if the input „Door locking" is permanently closed, the door can always be opened via the „Short-time OPEN" function.

7.4 Function with electromechanical locks ('EK')

7.4.1 Short-time OPEN (engaging the lever handle)

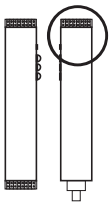


If a potential-free contact connected to terminals 93 / V4 is actuated with the door closed, SECURE*connect* 200F receives the signal to engage the lever handle.

- If the door remains closed, the lever handle will be disengaged again after 20 s.
- If the door is opened, the lever handle will be disengaged again after 3 s.
- If a potential-free contact connected to terminals 93 / V4 is actuated permanently, the lever handle remains engaged remains for the duration of the signal (see above).
- If the door is opened, the lever handle will be disengaged again after 3 s.
- If the door is closed again, the lever handle will be re-engaged.

7.4.2 Permanent OPEN (unlocking)

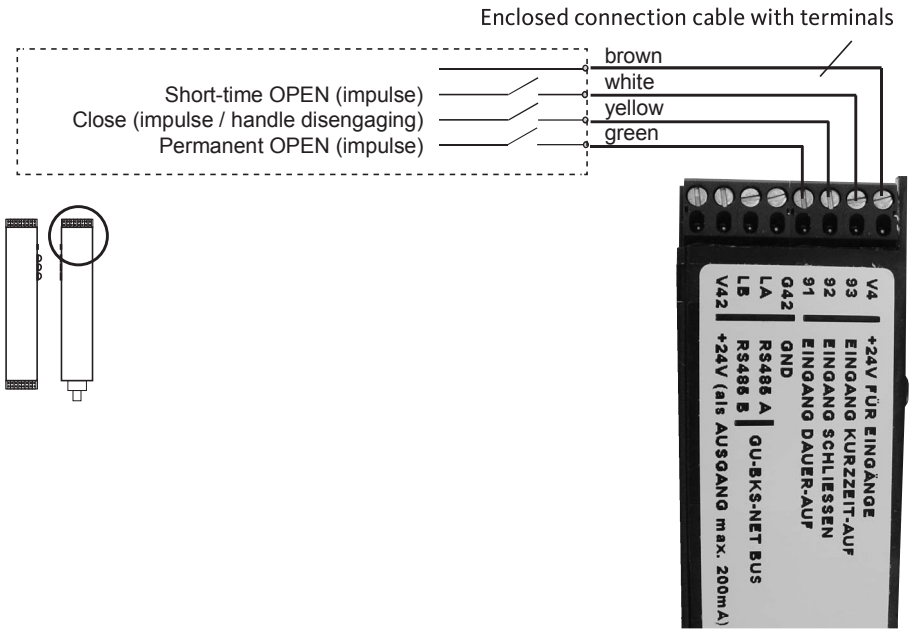
If a potential-free contact (gating pulse) connected to terminals 91 / V4 is actuated with the door closed, SECURE*connect* 200F receives the signal to engage the lever handle.



- If the door remains closed, the lever handle will remain engaged.
- If the door is opened, the lever handle will be disengaged again after 3 s
- If the door is closed again, the lever handle will be re-engaged.

7.4.3 Door closing (disengaging the lever handle)

If a potential-free contact connected to terminals 92 / V4 is actuated with the door closed, SECURE*connect* 200F receives the signal to disengage the lever handle.



ATTENTION **If voltage from external component is applied to terminals V4, 91-93, this lead to the destruction of the switching inputs!**

7.5 Electrical function test

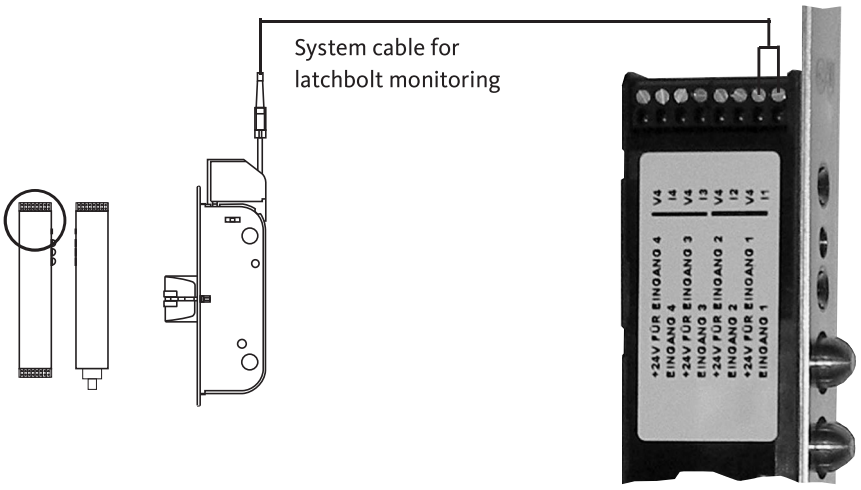
In order to verify if an assembly group has been connected properly, it is necessary to carry out the following work steps:

- Close door manually
- Apply supply voltage to SECURE*connect* 200R (e.g. 230 V AC by means of a Europlug)
- Bridge V4 and 93 (brown and white wire of connecting cable) on SECURE*connect* 200R

The lock function 'short-time OPEN' will be activated causing the electrical lock to unlock and the outside lever handle to engage for a short moment, each.

8. Connection diagrams

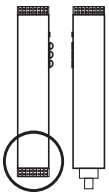
8.1 Latchbolt monitoring



SECURE*connect* 200F

8.2 Connection diagram Secury Automatic with A-opener

Impulse-controlled door opening time approx. 2 s (cannot be adjusted).
Permanent door opening time corresponds to duration of control signal

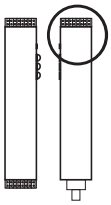


SECURE*connect* 200F

Connecting cable	Signal
Grey (blue)	GND
Brown	+ 24 V
Black	Control line

8.3 Switching the A-opener's acoustic signal on and off

- Connect A-opener to SECURE*connect* 200F according to connection diagram.
- Disconnect SECURE*connect* 200R from power supply.
- Bridge terminals V4, 93, 92, 91.



SECURE*connect* 200R

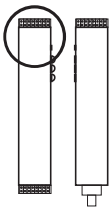
- Wait until SECURE*connect* 200F stops flashing.
- Connect SECURE*connect* 200R and 200F (e.g., by closing the door)
- Switch-on voltage on SECURE*connect* 200R.

An automatic switching sequence will be started and completed after 30 s. During this period of time, the A-opener will not be active.

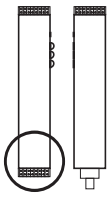
ATTENTION **SECURE*connect* 200R and 200F must not be separated during this period (e.g. by opening the door).**

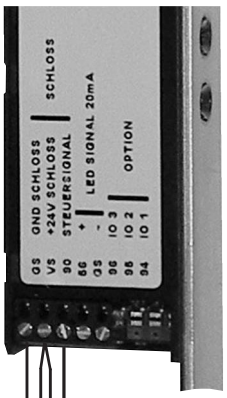
- Disconnect SECUREconnect 200R from power supply and remove bridges.
- Wait until SECUREconnect 200F stops flashing.
- Switch on power.

8.4 Connection diagram of motor-driven lock series 19 (with 14-wire connecting cable)

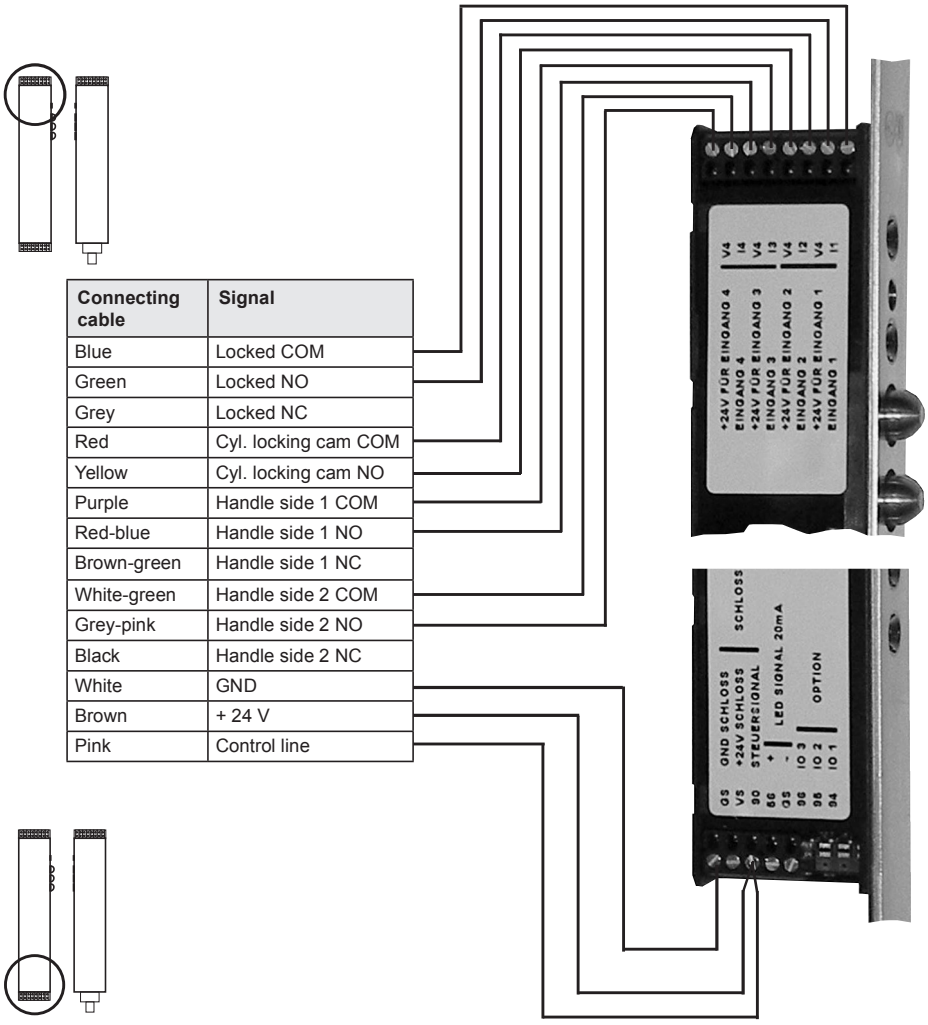


Connecting cable	Signal
Blue	Locked COM
Red	Locked NO
Black	Unlocked COM
Purple	Unlocked NO
Grey-pink	Cyl. locking cam COM
Red-blue	Cyl. locking cam NO
White-green	Function output COM
Brown-green	Function output NO
Green	Not assigned
Yellow	Function input
White	GND
Brown	+ 24 V
Grey	Door contact
Pink	Control line



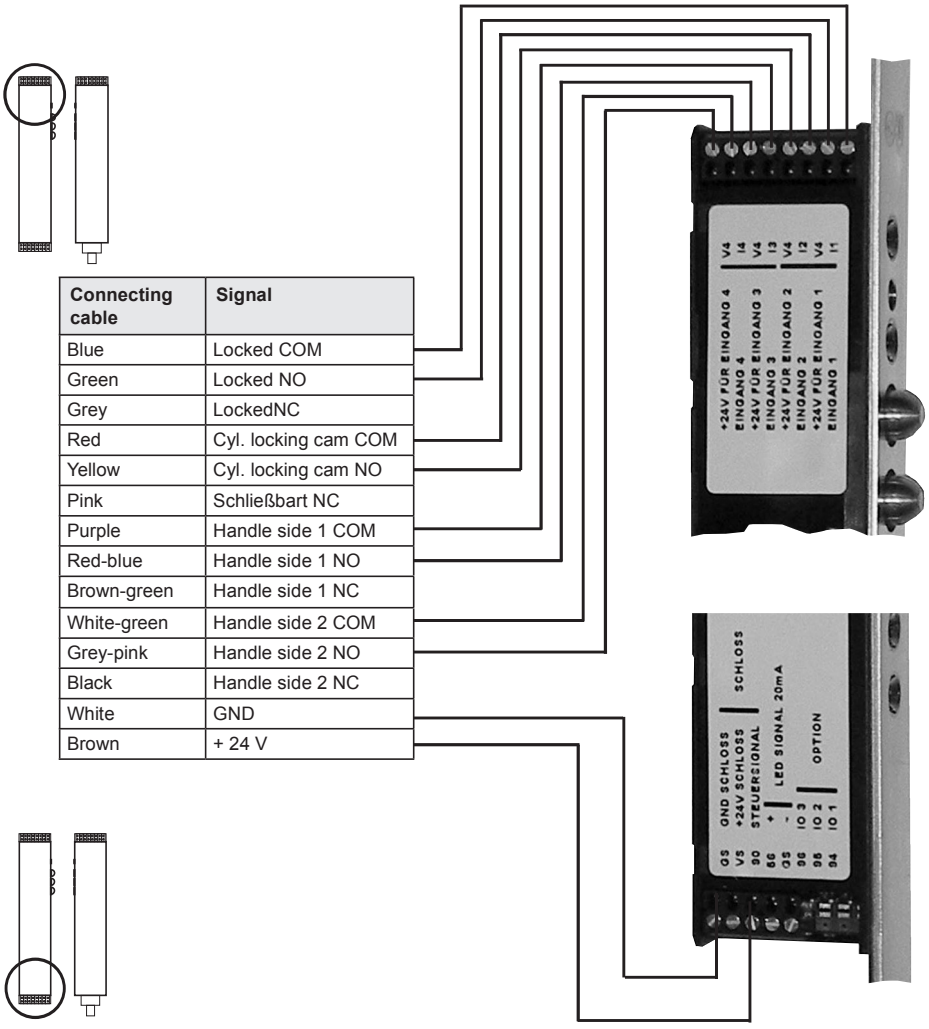


8.5 Connection diagram of ‘EK‘ lock series 19 (with 14-wire connecting cable)



Connecting cable	Signal
Blue	Locked COM
Green	Locked NO
Grey	Locked NC
Red	Cyl. locking cam COM
Yellow	Cyl. locking cam NO
Purple	Handle side 1 COM
Red-blue	Handle side 1 NO
Brown-green	Handle side 1 NC
White-green	Handle side 2 COM
Grey-pink	Handle side 2 NO
Black	Handle side 2 NC
White	GND
Brown	+ 24 V
Pink	Control line

8.6 Connection diagram of ‘EK‘ lock series 21 (with 14-wire connecting cable)



Connecting cable	Signal
Blue	Locked COM
Green	Locked NO
Grey	LockedNC
Red	Cyl. locking cam COM
Yellow	Cyl. locking cam NO
Pink	Schließbart NC
Purple	Handle side 1 COM
Red-blue	Handle side 1 NO
Brown-green	Handle side 1 NC
White-green	Handle side 2 COM
Grey-pink	Handle side 2 NO
Black	Handle side 2 NC
White	GND
Brown	+ 24 V

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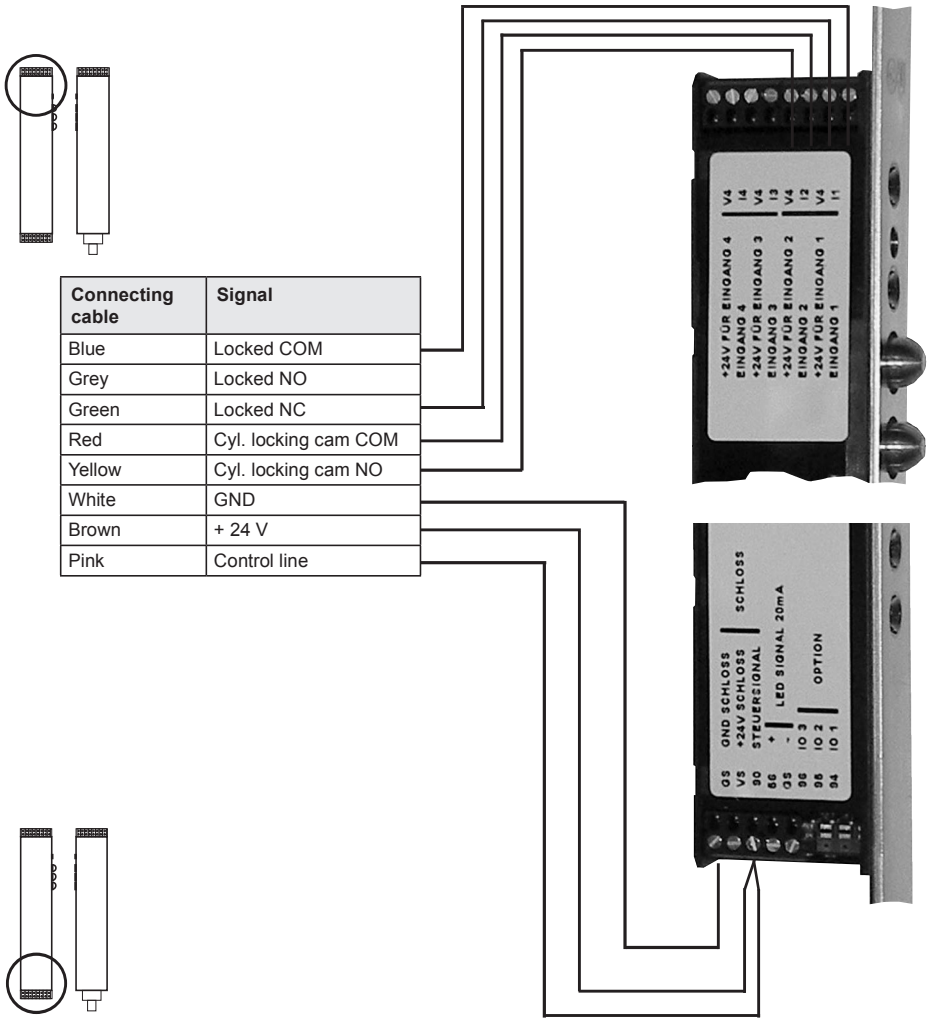
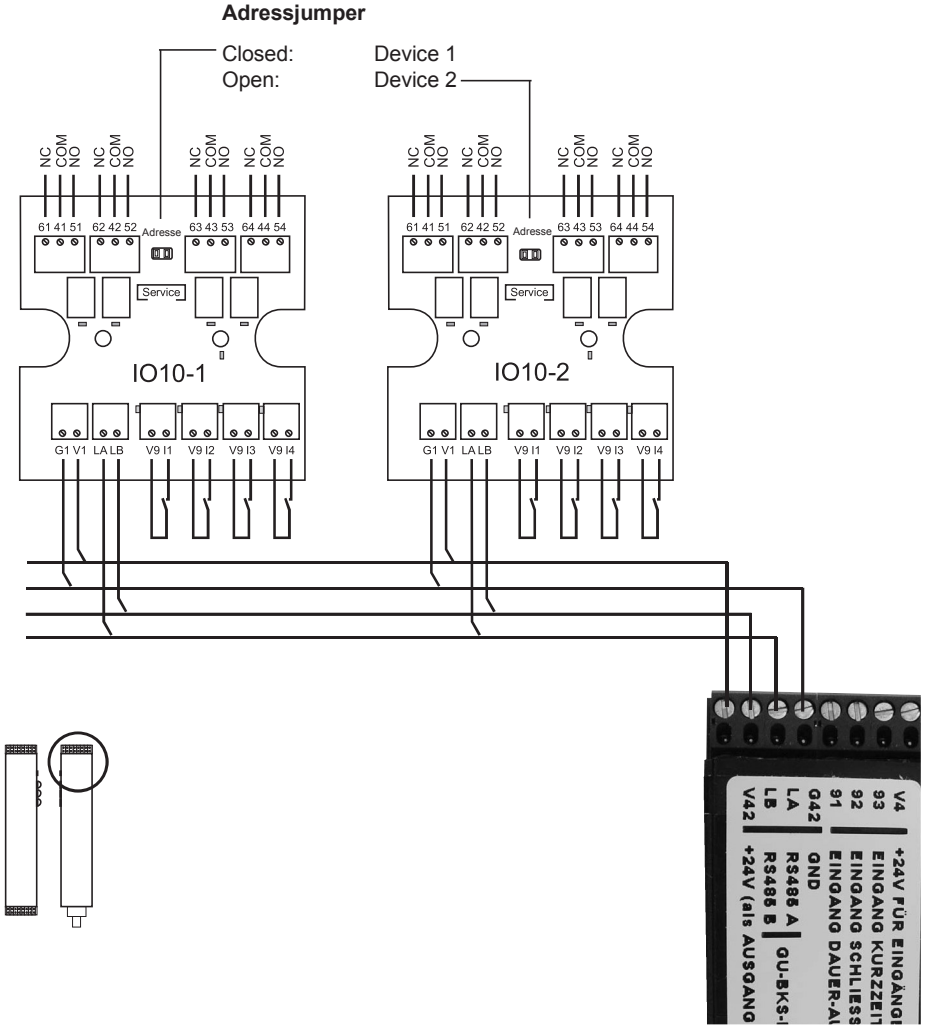
8.7 Connection diagram of ‘EK‘ lock series 21 (with 8-wire connecting cable)



Connecting cable	Signal
Blue	Locked COM
Grey	Locked NO
Green	Locked NC
Red	Cyl. locking cam COM
Yellow	Cyl. locking cam NO
White	GND
Brown	+ 24 V
Pink	Control line

8.8 Control via IO modules

Please bear in mind that each IO10 module has a different address setting.



8.8.1 IO module inputs

Two IO10 or IO5 modules can be connected to SECURE*connect* 200R via terminals LA and LB.

Input and output parameters are preset in compliance with the BKS-NET concept.

Input IO10 Device 1	**Function**
Input 1: terminal I1, V9	Permanent OPEN (unlocking)
Input 2: Terminal I2, V9	Close (locking)
Input 3: Terminal I3, V9	Priority locking
Input 4: Terminal I4, V9	Priority unlocking

Input IO10 Device 2	**Function**
Input 1: Terminal I1, V9	Non-priority unlocking
Input 2: Terminal I2, V9	-
Input 3: Terminal I3, V9	Short-time OPEN
Input 4: Terminal I4, V9	-

Input IO5	**Function**
Input 1: Terminal I1, V9	Permanent OPEN (unlocking)

8.8.2 IO module outputs

The input status (SECURE*connect* 200F) are put out directly to the IO module relays.

Input (SECURE*connect* 200F)	**Output** IO10 Adresse 1
Input 1: Terminal I1, V4	Relay 1: Terminal 41, 51, 61
Input 2: Terminal I2, V4	Relay 2: Terminal 42, 52, 62
Input 3: Terminal I3, V4	Relay 3: Terminal 43, 53, 63
Input 4: Terminal I4, V4	Relay 4: Terminal 44, 54, 64

Input (SECURE*connect* 200F)	**Output** IO10 Adresse 2
Input 1: Terminal I1, V4	Relay 1: Terminal 41, 51, 61
Input 2: Terminal I2, V4	Relay 2: Terminal 42, 52, 62
Input 3: Terminal I3, V4	Relay 3: Terminal 43, 53, 63
Input 4: Terminal I4, V4	Relay 4: Terminal 44, 54, 64

Input (SECURE*connect* 200F)	**Output** IO5
Input 1: Terminal I1, V4	Relay 1: Terminal 41, 51, 61
Input 2: Terminal I2, V4	Relay 2: Terminal 42, 52, 62

9. Inspection and maintenance

SECURE*connect* 200 may only be operated with the original mains adaptor or with AC 230 V.

If other than original products are used, all product liability, warranty, and service claims will expire.

If replacement parts or extensions are required, orignial parts may be used exclusively.

Maintenance and repair works must only be carried out by experts trained and authorised by the manufacturer.

The serviceability of the locking system must be verified at regular intervals. For doing so, check all fixing points and retighten screws, if required. In order to avoid that the mechanical properties of the lock – especially with regard to key or lever handle operation / latchbolt – are affected by dirt, it is necessary that the lock is inspected and lubricated (e.g. with BKS maintenance spray) at regular intervals.

SECURE*connect* 200 is maintenance-free.

We recommend that the contacts be cleaned with a soft and dry cloth occasionally. By no means use cleaning agents and lubricants containing oil or silicone.

10. Disposal

NOTE

The disused device must be disposed of as electronic waste at special waste disposal sites. Packaging must be disposed of separately.

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