

ASSEMBLY INSTRUCTIONS

Electromechanical multi-point lock GEP 2.2 and 2.3

EP 930

EP 950

EP 960

EP 963

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1 About this documentation

1.1 Original operating instructions

These instructions are part of the original operating instructions. The operating instructions consist of the following sections:

- Assembly instructions
- Operating and service instructions

1.2 Read the instructions

These instructions are an important document and part of the product. Only the defined procedures are safe. Persons can be injured or material damage could occur if these instructions are not observed.

Read and observe the instructions completely prior to the installation of the product.

1.3 Producer

KFV Karl Fliether GmbH & Co. KG
Siemensstraße 10
42551 Velbert
Germany

You can find the addresses of our worldwide locations here: siegenia.com/company/locations

Entry in the Commercial Register:

- Registry court: Wuppertal District Court
- Register number: HRA 20782

1.4 Target group

This information is intended for producers of construction elements, fitters and retrofitters.

Producers of construction elements are considered to be all those who perform the following activities:

- fabricate KFV products in door elements

Fitters and retrofitters include all persons who carry out the following activities:

- KFV install and repair products in a building project
- install and repair door elements that are equipped with KFV products in a building project
- retrofit door elements with KFV products

1.5 Other relevant information

Refer to the following other relevant information prior to installation.

- Operating instructions electromechanical multi-point lock GEP 2.2 and 2.3
<https://link.si/H47ELEK014>



- Assembly and operating instructions SIEGENIA access control system
<http://link.si/td/elek027/0423>



- Assembly and operating instructions IO module/IO module smart
<https://link.si/td/elek010/0322>



- Assembly and operating instructions SI-BUS cable transfer
<https://link.si/td/elek021/0123>



- Assembly instructions KNX Gateway
<http://link.si/td/elek023/0622>



- Certificate of the performance reliability for emergency exit locks:

https://www.siegenia.com/api/service/downloads/file/188453_0



- Certificate of the performance reliability for panic door locks:

https://www.siegenia.com/api/service/downloads/file/188456_0



- DIN ISO 2768-1:1991-06 General tolerances
- DIN EN 179:2008 - Lock and building fittings - Emergency exit devices operated by a lever handle or finger plate, for use in escape routes – (in German DIN EN 179:2008 - Schlösser und Baubeschlüsse – Notausgangsverschlüsse mit Drücker oder Stoßplatte für Türen in Rettungswegen)
- DIN EN 1125:2008- Lock and building fittings - Panic locks operated by a horizontal actuating bar for use in doors in rescue routes – (in German DIN EN 1125:2008 - Schlösser und Beschläge - Paniktürverschlüsse mit horizontaler Betätigungsstange für Türen in Rettungswegen)
- Assembly instructions of the producer for the door hardware
- Declarations of performance

1.6

Figures and symbols

1.6.1

Element materials

PVC

Timber

Metal

1.6.2

LED

LED	
	LED off
	LED lights up
	LED flashes in 1 colour
	LED flashes alternately in 2 colours

1.7 Abbreviations

ALU	Aluminium
A-opener	Automatic opener
CA	Multi-point lock with comfort function with electronic type A
CB	Multi-point lock with comfort function with electronic type B
D	Backset
E	PZ dimension
EA	Multi-point lock without comfort function with electronic type A
EB	Multi-point lock without comfort function with electronic type B
ETS	Engineering tool software
FB	Sash width
FFB	Sash rebate width
FFH	Sash rebate height
FH	Sash height
H	Timber
MFV	Multi-point lock
MV	Size variants
PDB	Profile data sheet
PVC	PVC
PZ	Profile cylinder
PZD	Pozidriv
RC	Resistance class
Replacement part	Replacement part
RZ	Round cylinder
SW	Wrench size

2 Safety

2.1 Designated use

GEP 2.2 and GEP 2.3 are emergency exit locks according to DIN EN 179:2008 or panic door locks according to DIN EN 1125:2008, which lock and release the doors electromechanically.

- The product is suitable for installation in entrance doors made of timber, metal or PVC.
- The product is suitable for installation in 1-sash and 2-sash doors in permanent buildings.
- The products are suitable for use in vertically installed doors.
- The product according to DIN EN 179:2008 forms a unit with the lever handle, the striker plates and locking rails. Only use the combinations that have been mutually tested, defined in the certificate for performance reliability.
Do not make any modifications, even partial, to the unit or parts of the unit that are not described in these instructions.
- According to DIN EN 179:2008, the product is an emergency exit lock of class 2 (normal projection). The installation is permissible in case of restriction of the width of the escape route and for doors which cannot be opened more than 90°.
- The product according to DIN EN 1125:2008 forms a unit with the push bar, the striker plates and locking rails. Only use the combinations that have been mutually tested, defined in the certificate for performance reliability.
Do not make any modifications, even partial, to the unit or parts of the unit that are not described in these instructions.
- Only use the product in conjunction with the approved fire protection cable in fire-rated doors.
- Only use the product in conjunction with the approved emergency power buffer or with the authorised USV in fire-rated doors or fire protection doors.
- An electrical or mechanical snib latch is inadmissible in fire-rated doors.
- The product for automatic door release with the SIEGENIA access control system is inadmissible in fire-rated doors.
- Only use cylinder lock with rigid catch in which the catch in the key withdrawal position locks within the range of -30° to +30°.
- Only use cylinder locks with free-running cam FZG in accordance with DIN 18252.
- Only use accessories that are tested and certified in accordance with the EMC directive. Any change of this combination (even a partial change) or any change of the product is inadmissible.
- If the product is installed in combination with a motorised door drive, the motorised door drive must be tested according to EN 16005.
- Do not route SI-BUS cables and analogue cables on cable racks, in roof cavities or in shared cable ducts in public buildings or high-rise buildings.

2.2 Requirements for the target groups

2.2.1 Producers of construction elements

We assume and require that producers of construction elements possess the following knowledge and skills:

- knowledge of the regulations concerning occupational safety and accident prevention
- comprehension of technical correlations based on the latest scientific and technological knowledge
- knowledge of professional work steps
- knowledge of the applicable standards and directives
- knowledge of applicable testing regulations
- knowledge and skills relating to the processing of the respective material (timber, PVC, metal)
- knowledge and skills relating to the professional use of tools, machines and systems for the production of door elements
- knowledge and skills relating to the professional fixing of technical elements
- knowledge of the functional testing and operation of door elements
- knowledge of the requirements of profile system providers

If the door elements are equipped with an electromechanical drive or a sensor, the following knowledge and skills are also presumed and required:

- knowledge and skills relating to the professional fabrication of electrical components
- knowledge and skills relating to the following work steps:
 - connecting electrical components
 - putting electrical components into operation
 - Checking the function of electrical components
- knowledge of the following 5 safety rules:
 - disconnect
 - secure to prevent reconnection
 - ensure system is voltage-free
 - earth and short-circuit
 - cover or isolate proximate live parts

KFV provides training to enable you to acquire some of the knowledge and skills needed. Contact your KFV sales consultant if this is required.

2.2.2 Fitters and retrofitters

We assume and require that fitters and retrofitters possess the following knowledge and skills:

- knowledge of the regulations concerning occupational safety and accident prevention
- comprehension of technical correlations based on the latest scientific and technological knowledge
- knowledge of professional work steps
- knowledge of the applicable standards and directives
- knowledge and skills relating to the professional use of electrical and mechanical tools
- knowledge and skills relating to the professional fixing of technical elements
- knowledge and skills relating to the retrofitting of mechanical security technology on door elements

If the door elements are equipped with an electromechanical drive or a sensor, the following knowledge and skills are also presumed and required:

- knowledge and skills relating to the professional fabrication of electrical components
- knowledge and skills relating to the following work steps:
 - connecting electrical components
 - putting electrical components into operation
 - Checking the function of electrical components
- knowledge of the following 5 safety rules:
 - disconnect
 - secure to prevent reconnection
 - ensure system is voltage-free
 - earth and short-circuit
 - cover or isolate proximate live parts

KFV provides training to enable you to acquire some of the knowledge and skills needed. Contact your KFV sales consultant if this is required.

2.3 Safety notes

Material damage due to inappropriate transport

The multi-point lock can be damaged during transport if the locking elements are in the locking position.

- Ensure that the locking elements are in the release position.

Material damage due to improper assembly

You will damage the multi-point lock if you do not install the handle set and cylinder lock properly.

- Once the gear box is installed, do not drill through the door leaf.
- Do not knock the square spindle into the handle spindle with force.
- Do not knock the cylinder lock into the cylinder hole with force.

Material damage due to carrying by the lever handle

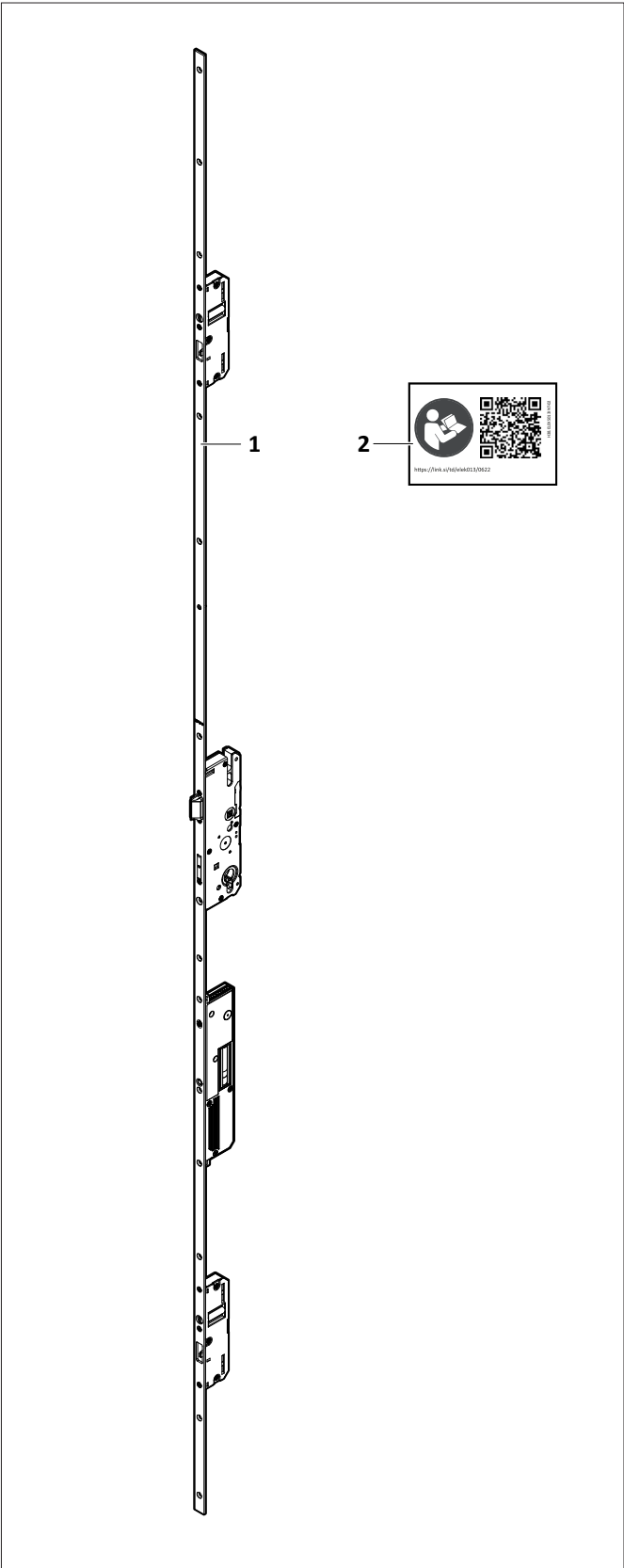
You will damage the multi-point lock if you carry the door leaf by the lever handle.

- Use suitable aids to transport the door leaf.

3 Product specifications

3.1 Scope of delivery

3.1.1 EP 9XX



Item	name	Quantity
1	Electromechanical multi-point lock GEP 2.2 or GEP 2.3	1
2	QR info	1

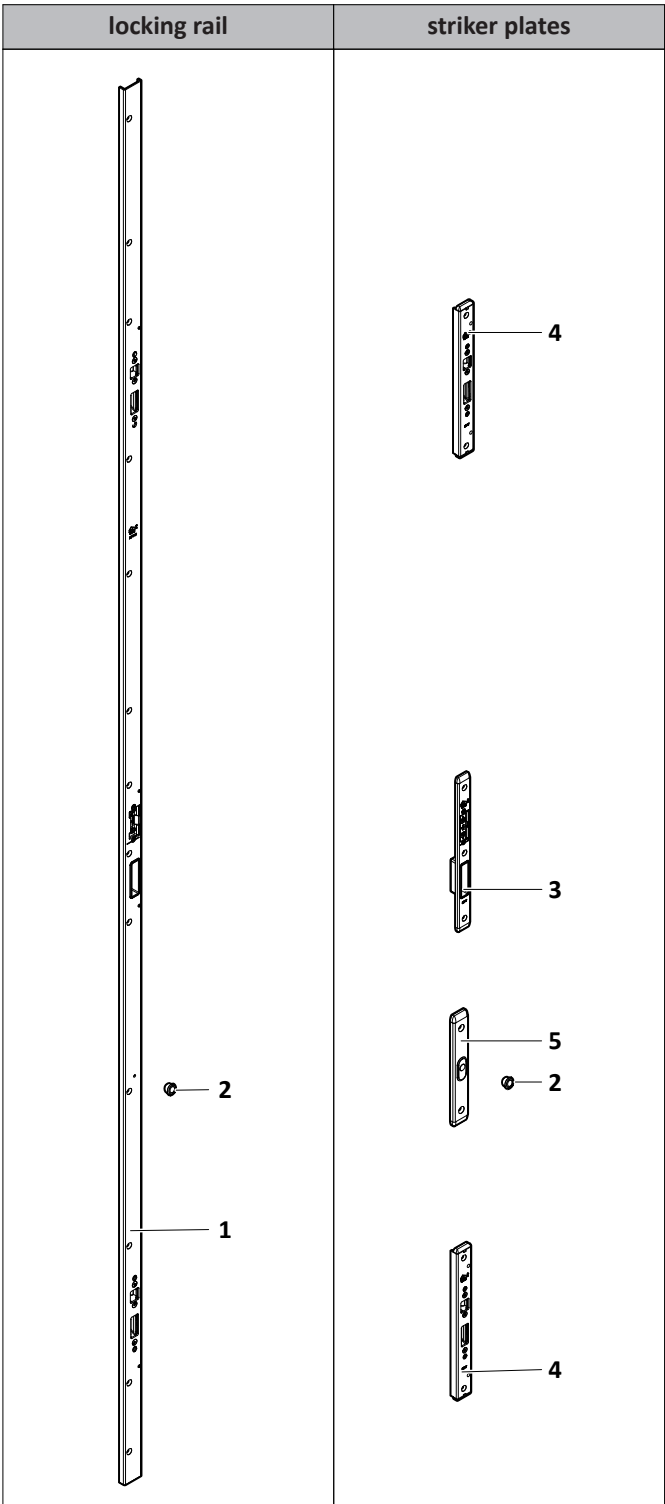
3.1.2 Required components

Frame parts

For installation according to DIN EN 179, only use the combinations that have been mutually tested, defined in the [Certificate for performance reliability](#). A lever handle and frame parts are required to establish the function.

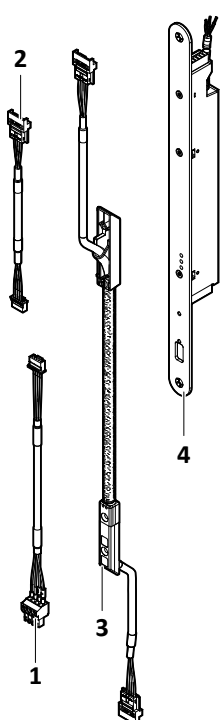
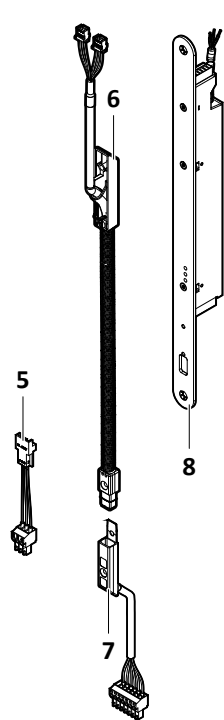
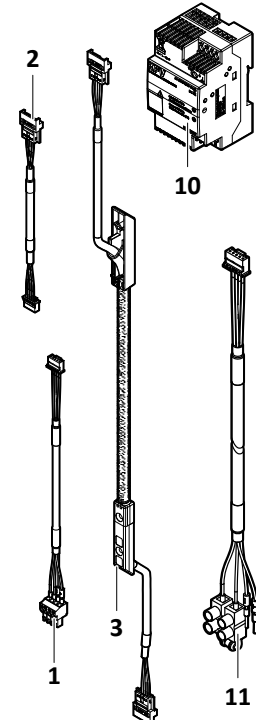
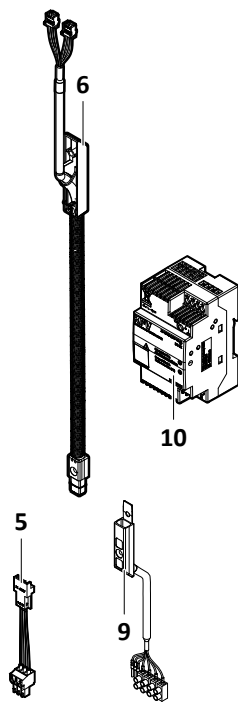
For installation according to DIN EN 1125, only use the combinations that have been mutually tested, defined in the [Certificate for performance reliability](#). A rod handle or a push bar and frame parts are required to establish the function.

Item	name	Quantity
1	locking rail	1
2	Magnet	1
3	Main striker plate for latch and deadbolt	2
4	Additional striker plate for round bolt and hook bolt	1
5	Additional striker plate for round bolt with magnet holder (optional for PVC doors and metal doors)	1



Power supply

Electively, the following variants are available for the power supply. You can find the wiring diagram in chapter Electrical connection (see page 34).

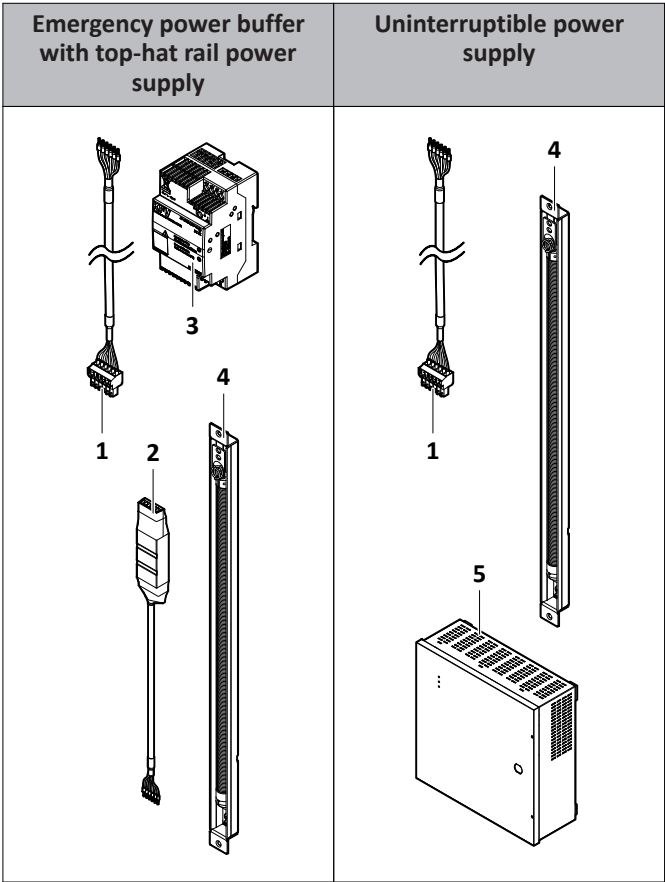
SI BUS with frame power supply	Analogue with frame power supply	SI BUS with top hat rail power supply	Analogue with top hat rail power supply
			

Item	name	Quantity
1	Adapter cable	1
2	Extension cable	1
3	Cable transfer	1
4	SI BUS power supply integrated in frame	1
5	Adapter cable	1
6	Cable transfer, sash side	1
7	Cable transfer for frame-integrated power supply	1
8	Power supply integrated in frame	1
9	Cable transfer for top hat rail power supply, frame side	1
10	Top-hat rail power supply	1
11	Connection cable	1

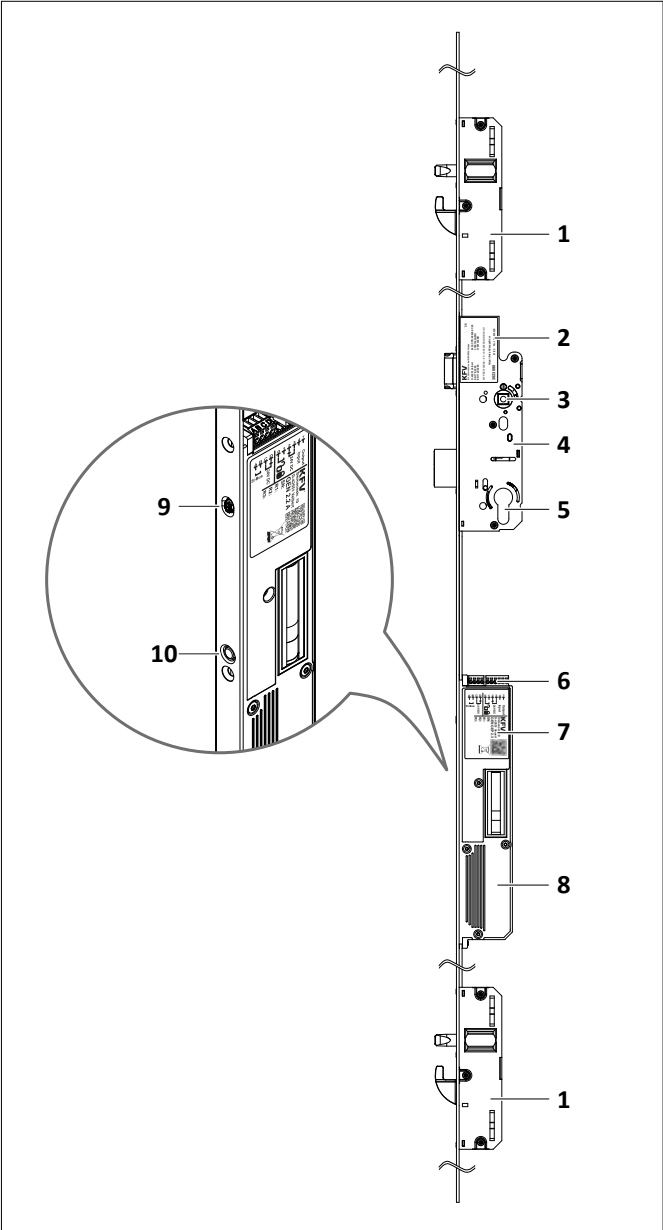
Power supply for fire-rated doors

Electively, the following variants are available for the power supply. You can find the wiring diagram in chapter Electrical connection (see page 34).

Item	name	Quantity
1	Fire-resistant cable	1
2	Emergency power buffer	1
3	Top-hat rail power supply	1
4	Cable transfer	1
5	Uninterruptible power supply	1



3.2 Structure



Item	Name
1	Auxiliary box
2	Label
3	Square for handle spindle
4	Main lock
5	Cylinder lock opening
6	SI BUS connection and analogue connection
7	Label
8	Electromechanical GENIUS drive
9	Menu button with LED
10	Status LED wit magnetic sensor

3.4.2 Status LED

LED	Status
	The product is now ready for operation.
	The opening signal is present.
	There is a product error. The product is not ready for operation.
	The contact of the connecting clamp is faulty. The magnetic sensor is not working.
	The locking elements are extended when the door is open.
	There is a general fault. The product is not ready for operation.
	The motor is driven on block.

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3.5 Operation

3.5.1 Functions EP 9XX

	Version	
	GEP EP9XXE	GEP EP9XXB
Mechanical functions		
Opening the door from outside via the profile cylinder	•	•
Opening the door via the lever handle	–	•
Electronic functions		
Automatic locking	•	•
Motorised release via a connected access control system (optional)	•	•
Motorised release via a connected electrical door opener (optional)	•	•
Switchover between Day and Night mode with an external clock timer	•	•
Status feedback for external systems (e. g. motorised door drive or alarm system)	•	•
Closing function according to DIN EN 179 or DIN EN 1125		
Cylinder operated lock E	•	–
Switching function B	–	•

Symbol	Explanation
•	Available
–	Not available

3.5.2 Auto-coupling

The product pairs automatically with the connected SI BUS devices during commissioning.

3.5.3 Automatic locking

The electromechanical multi-point lock only locks the door automatically in night mode. The magnetic sensor

detects the magnet in the door sash while closing the door sash. The round bolts, the hook bolts of the auxiliary boxes and the main lock bolt lock the door.

3.5.4 Motorised release

The following components are required for motorised release:

- access control system
- E-opener

The door releases for 7 seconds as soon as the multi-point lock receives an opening signal. An audible signal

is emitted during this time. The signal switches off as soon as the door opens. If the door does not open, the door is locked again by the multi-point lock after 7 seconds.

You can find more information in the wiring diagram.

3.5.5 Changeover day / night operation

The day-night switchover is the changeover between day mode and night mode.

 Daytime mode	Use for highly frequently used doors In case of closed door: no automatic locking. i. e., only the latch holds the door closed. All the other locking elements remain retracted. Manual locking from the outside is possible via an installed cylinder lock.
 Night mode	Use for frequently used doors, e.g. in apartment buildings or private houses When a door is closed: There is automatic locking. This means that all locking elements extend when the door closes.

The day-night changeover can be operated either manually via the LED button or automatically. Connection of a clock timer to terminals 0 and 1 is required for the automatic changeover.

The mode of operation is individually adjustable (see page 61). The following adjustment options are available:

Function	Menu LED button	Connection to terminal 1	Additional function
1	Inactive	Inactive	–
2	Inactive	Active	–
3	Active	Inactive	–
4	Active	Active	–
5	Active	Active	Single switchover between Day and Night mode is possible
6	Active	Active	Single switchover from night mode to day mode and back to night mode again is possible

3.5.6 Status feedback

The status feedback is available for the electromechanical multi-point lock type EB or CB.

The multi-point lock queries different statuses. A status feedback on external devices are possible due to these status queries.

The possible status queries are adjustable via the menu (see page 62).

For the status feedback, the connection of a relay to terminal 7 is necessary (see page 34). The contact type of the relay is adjustable as locking bolt or as opener (see page 64). When the set status is achieved, an output signal is emitted via terminal 7 and the connected relay transmits a signal to the externally connected device (e. g. alarm system).

The following status queries are possible:

Function	Status request
A	The door is closed and locked.
B	In day mode: the door is closed. In night mode: the door is closed and locked.
C	The latch is retracted.
D	Active error The latch is retracted. The multi-point lock is in the locking process or in the unlocking process. The door is closed and locked. The door is closed and not locked.
E	The door is released.
F	No active error

3.5.7 Status monitoring

The status monitoring is permanently carried out. This means that the product is always in active operating status. This safety function means that there is no standby status for the present device. The status

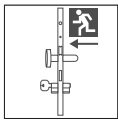
monitoring detects if the sash is opened from the locked status without drive activity. This corresponds to an unauthorised opening, for which an audible signal is emitted.

Assembly instructions

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3.5.8 Closing function according to DIN EN 179 or DIN EN 1125

Cylinder operated lock E

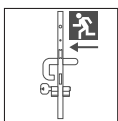


The cylinder operated lock E is a closing function for emergency exit locks or panic door locks.

The opening of the door via the lever handle in the direction of escape is always possible.

After the escape function has been used, the closed door locks and access against the direction of escape is only possible with the key or the SIEGENIA access control system.

Switching function B



The switching function B is a closing function for emergency exit locks or panic door locks. The opening of the door via the operating element in the direction of escape is always possible.

After using the escape function, access against the direction of escape is dependent on the adjusted mode of operation.

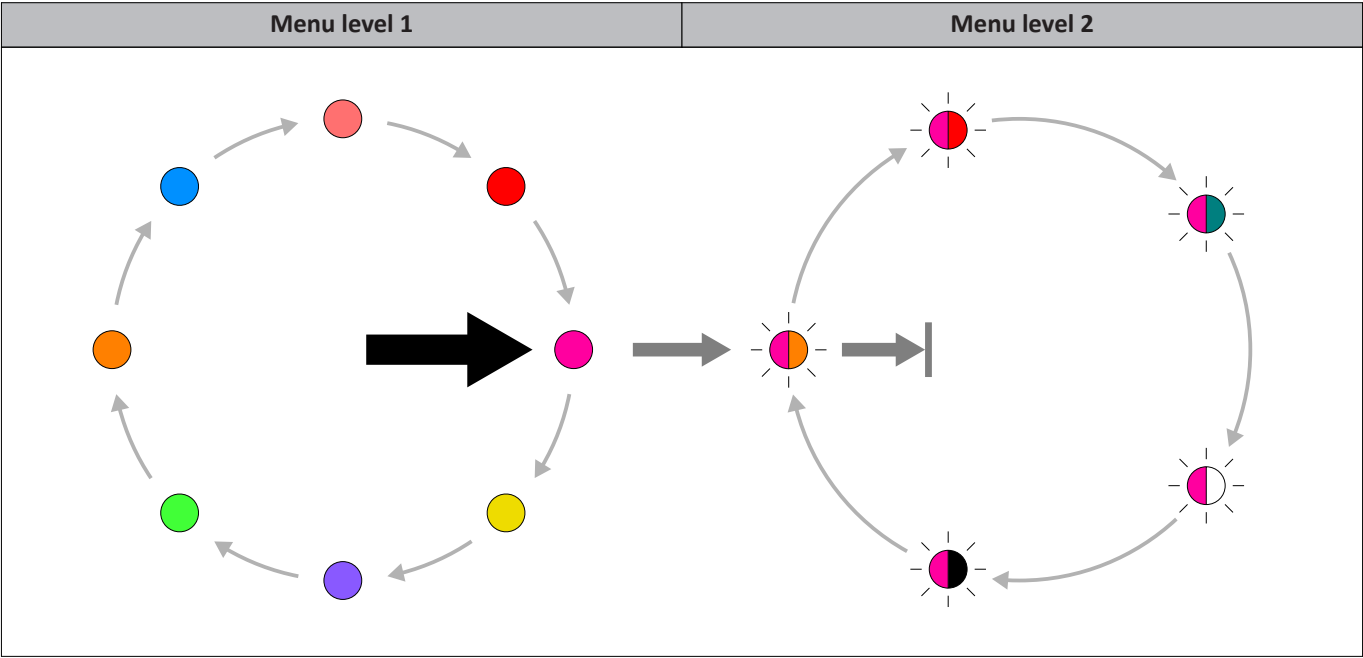
- Daytime mode: in daytime mode the door is closed. The opening of the door via the lever handle in the direction of escape is always possible. Electromechanical operation is not possible.
- Night mode: in night mode the door is locked. To open the door against the direction of escape, it is necessary to release the door with the key or the access control system. After the release, the door can be opened once against the direction of escape with the lever handle. Electromechanical operation is not possible. As soon as the door is closed again, it is locked and opening the door from the outside is no longer possible.

3.6

Menu

3.6.1

Menu level principle



Button pressed	Description
 8 seconds	Select menu level 1. The selection always starts with a magenta menu item.
 3 seconds	Change the desired menu item to menu level 2.
 1 second	Change the menu items within the menu level.
 3 seconds	Save or execute the desired menu item.

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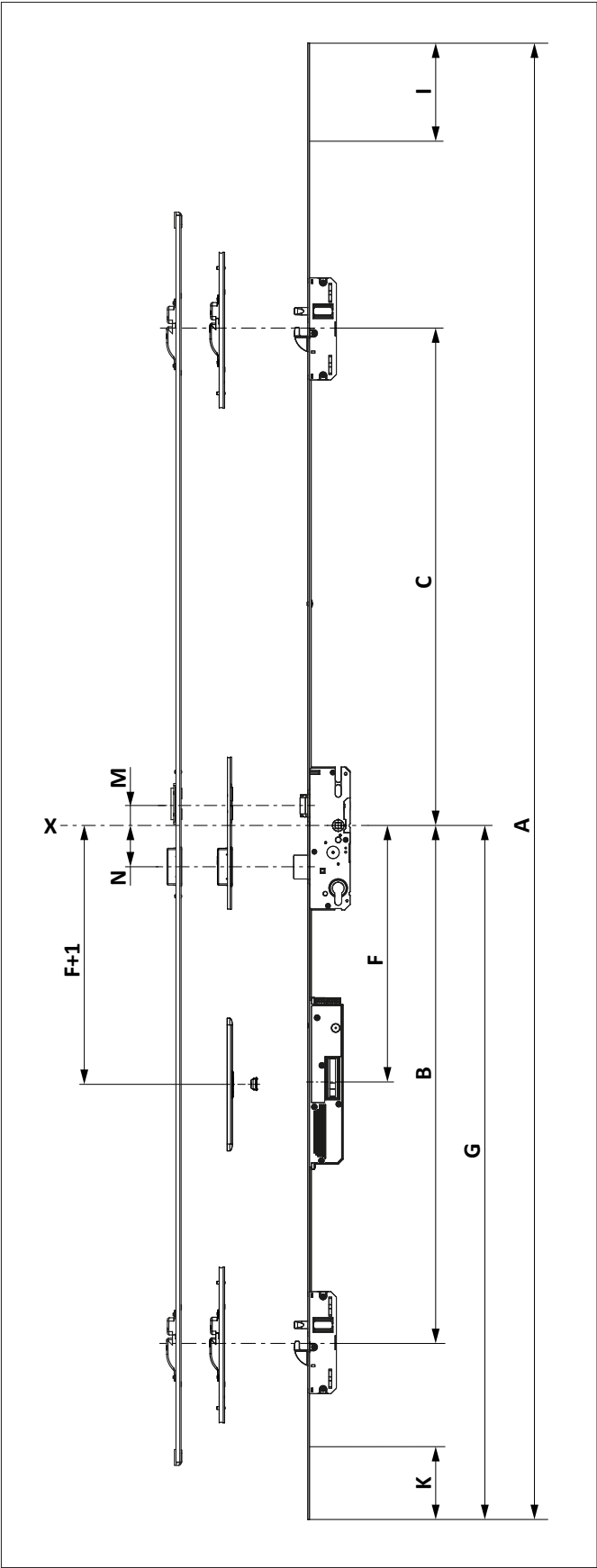
3.6.2 Menu selection

- The "System services" menu can be retrieved 30 minutes following the system start.
- The "WIFI" menu can be retrieved 30 minutes following the system start.
- **Default setting** in menu level 2

Menu level 1	Menu level 2					
 Volume of the buzzer	 50 %	 25 %	 0 %	 100 %	 75 %	
 Status query for the status feedback	 Closed and locked door	 Day mode: closed door Night mode: closed and locked door	 Retracted latch	 Active error	 Released door	 No active error
 Contract mode for the status feedback	 Locking bolt	 N/C contact				
 Adjustment of daytime / night mode of operation changeover	 Active menu LED button Active terminal 1	 Active menu LED button Active terminal 1 with additional function	 Active menu LED button Active terminal 1 with additional function	 Inactive menu LED button Inactive terminal 1	 Inactive menu LED button Active terminal 1	 Active menu LED button Inactive terminal 1
 Cylinder operated lock of the latch	 Active cylinder operated lock	 Inactive cylinder operated lock	 Fire protection			
 Device services	 Restart the device	 Default setting	 SW version	 Teach in magnetic sensor	 Start reference run	
 System services	 Couple devices	 Disconnect devices	 Unblock ACS	 Factory setting	 WIFI on	 WIFI off
 Wireless local area network	 Reset WIFI	 WPS mode	 Info mode			

3.7 Dimensions

3.7.1 Dimensions EP 9XX



X	System marking
A	Total length
B	System marking up to middle of bottom auxiliary box
C	System marking up to middle of top auxiliary box
F	System marking up to middle of drive
F+1	Middle magnet
G	System marking up to upper edge of finished flooring
I and K	Can be shortened
M	Middle of lever handle to middle of latch
N	Middle of lever handle square spindle to middle of deadbolt
Measurements in mm	

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

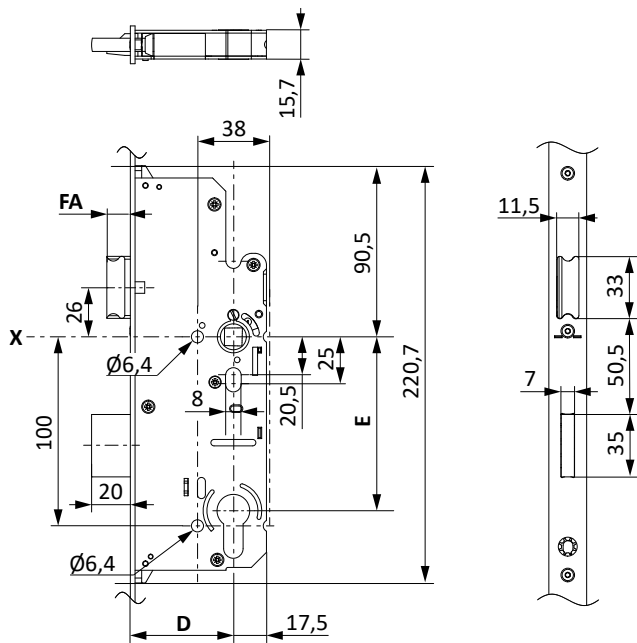
FFH (mm)	Size variants	A (mm)	B (mm)	C (mm)	F (mm)	G (mm)	I (mm)	K (mm)
Continuous faceplate with G = 1020								
1881 – 2170	B001	2170	760	730	380	1020	290	130
2171 – 2400	B003	2400	760	980	380	1020	270	130
Continuous faceplate with G = 1050								
1881 – 2170	B002	2170	760	730	380	1050	290	160
2171 – 2400	B004	2400	760	980	380	1050	270	130
Cropped faceplate with 2 fastening holes on each sash end								
1881 – 2170	B166	1855	760	730	380	952	–	–
1755 – 1880	K006	1722	822.5	605	380	970	–	–
1881 – 2170	K007	1847	822.5	730	380	970	–	–

3.7.2 Dimensions of main lock

Main lock type P	
X	System marking
D	Backset
E	PZ dimension
L	Centre from square spindle to through hole
FA	Latch projection
Measurements in mm	

D (mm)	E (mm)	L (mm)	FA (mm)	
			Standard	Fire protection
35	92	100	10	12
	94			
40	92			
45	92			
	94			
55	72	80		
65	72			
	74			

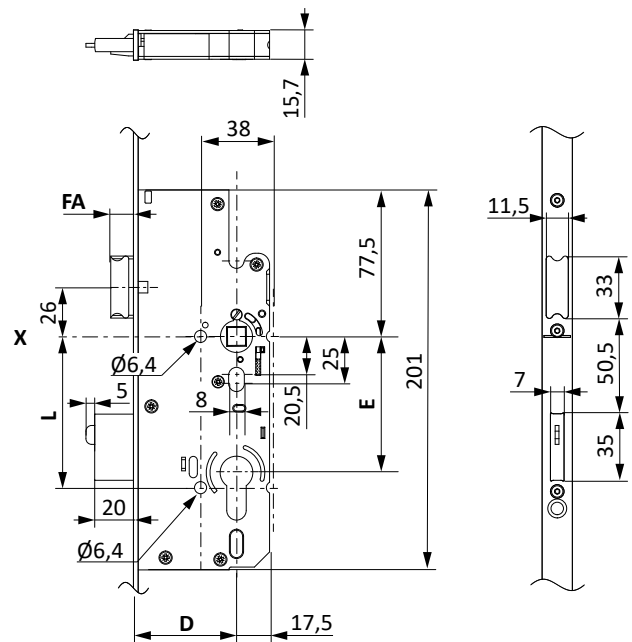
Main lock type P, D50-65, E92



X	System marking
D	Backset
E	PZ dimension
FA	Latch projection
Measurements in mm	

D (mm)	E (mm)	FA (mm)	
		Standard	Fire protection
50	92	10	12
55			
65			

Main lock type Z

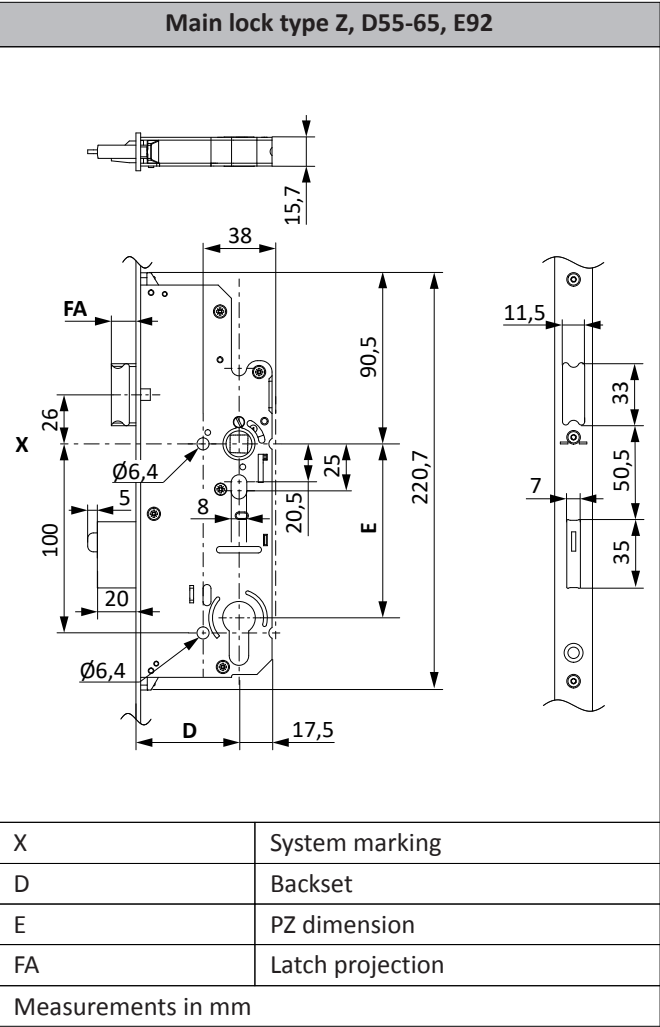


X	System marking
D	Backset
E	PZ dimension
L	Centre from square spindle to through hole
FA	Latch projection
Measurements in mm	

D (mm)	E (mm)	L (mm)	FA (mm)	
			Standard	Fire protection
35	92	100	10	12
	94			
40	92			
45	92			
65	72	80		
	74			

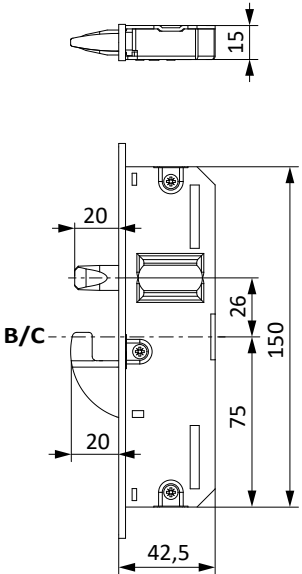
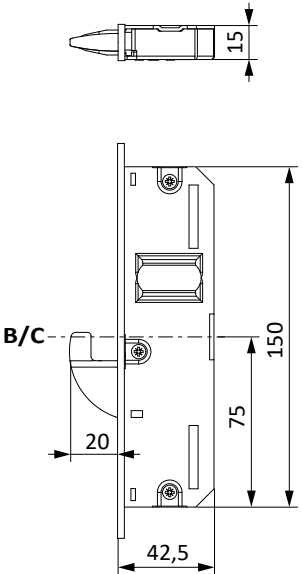
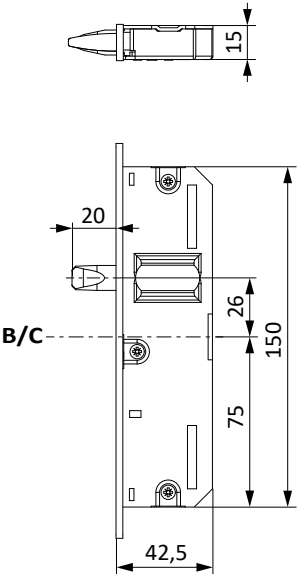
Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

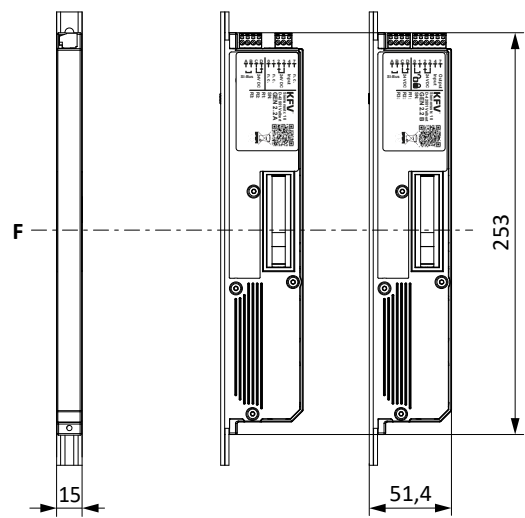


D (mm)	E (mm)	FA (mm)	
		Standard	Fire protection
55	92	10	12
65			

3.7.3 Dimensions of auxiliary box

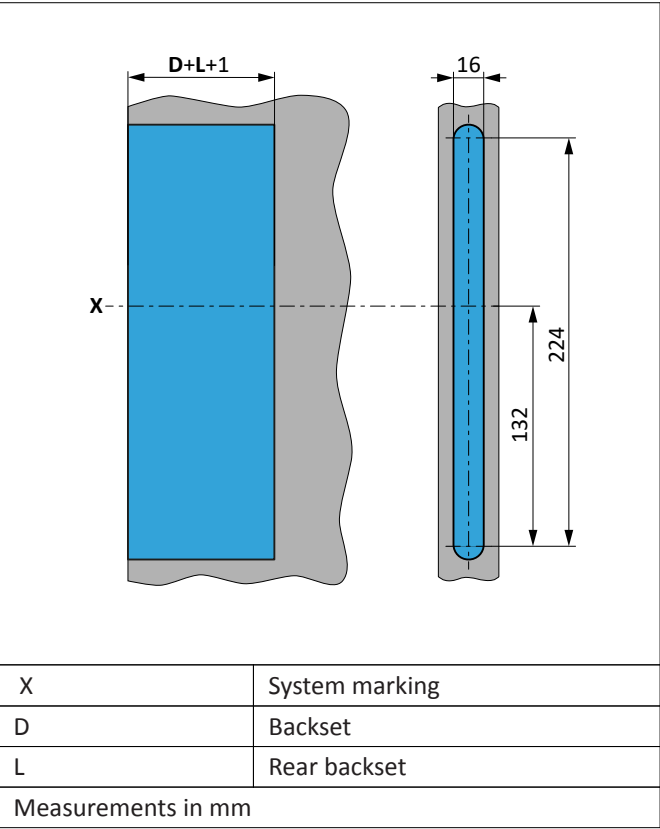
GEN AS 26XX	GEN AS 25XX	GEN AS 23XX
		
B/C		Centre of auxiliary box
Measurements in mm		

3.7.4 Dimensions GENIUS drive

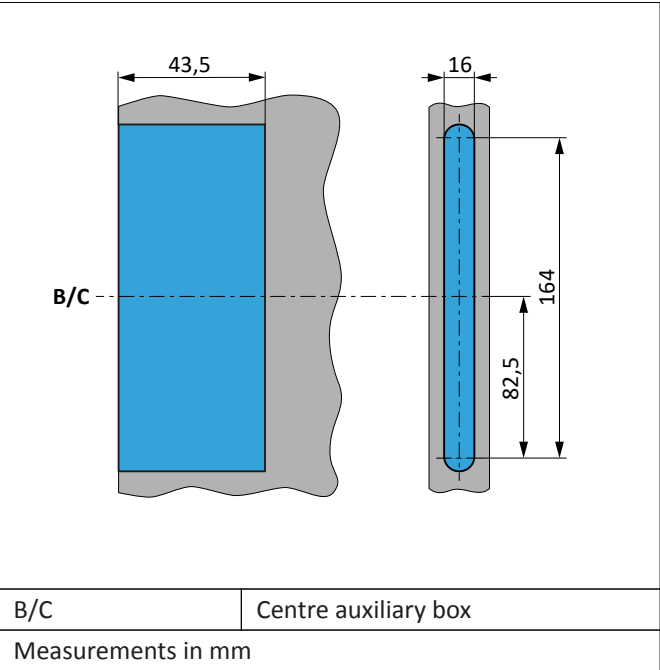
	
F	Centre case GENIUS drive
Measurements in mm	

3.8 Processing dimensions

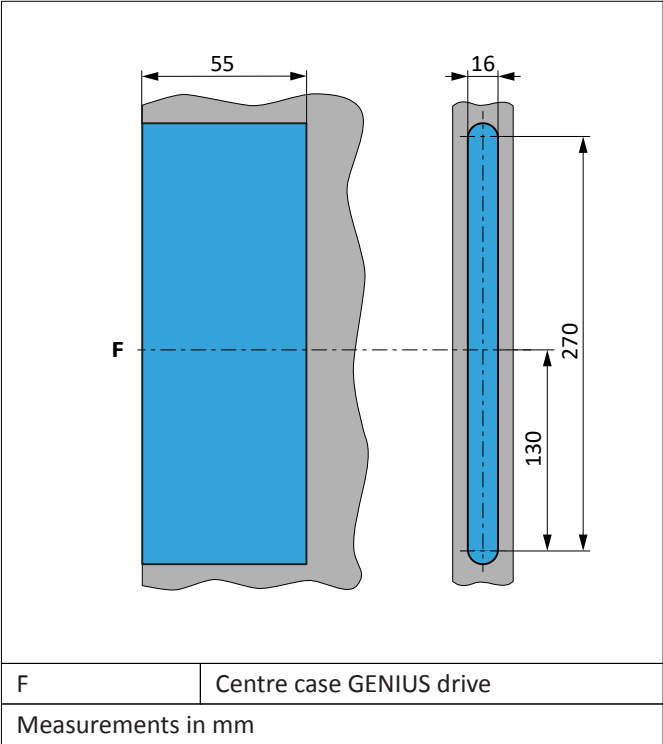
3.8.1 Milling dimensions for main locks



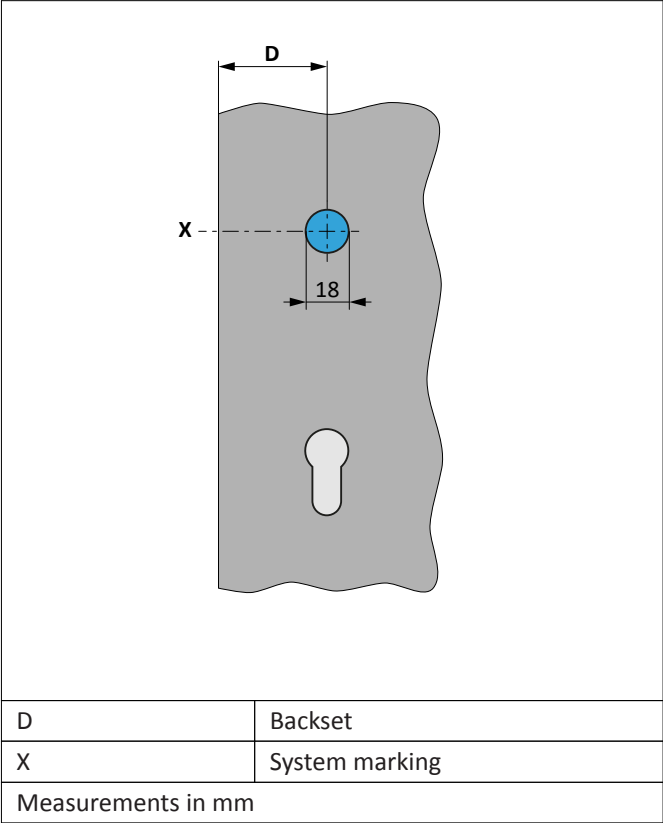
3.8.2 Milling dimensions for auxiliary box



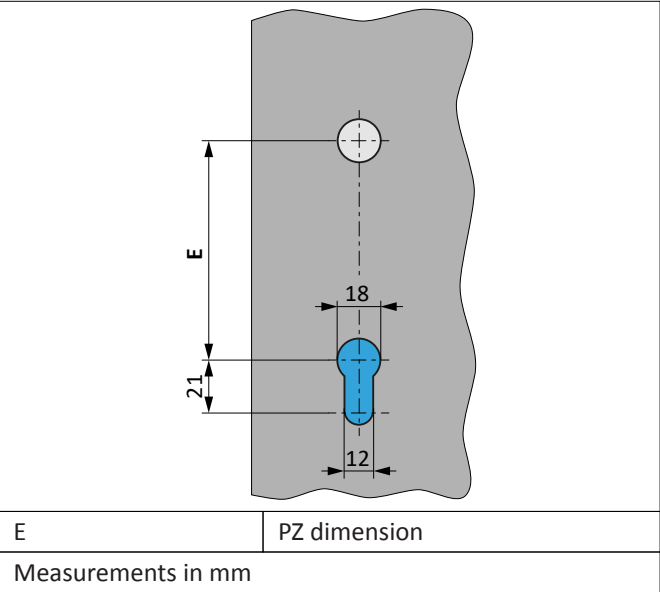
3.8.3 Milling dimensions for drive



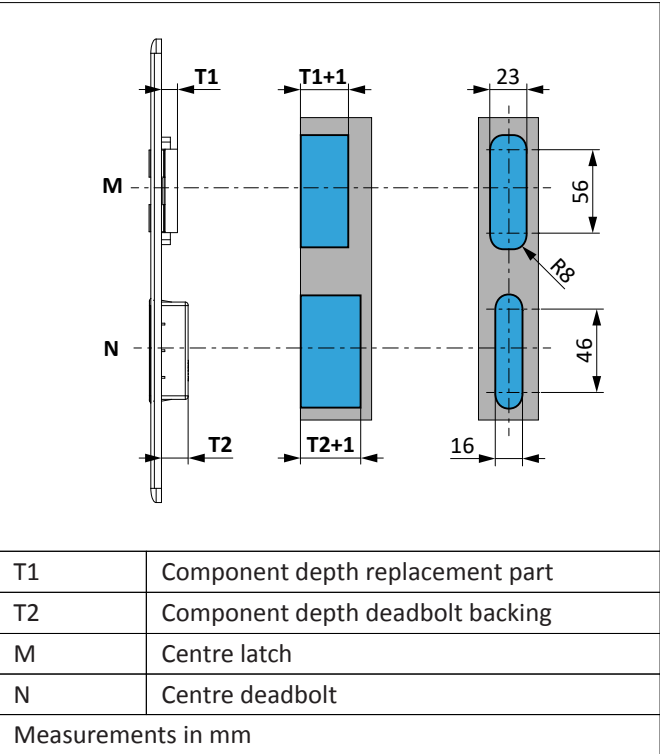
3.8.4 Drilling dimensions for lever handle



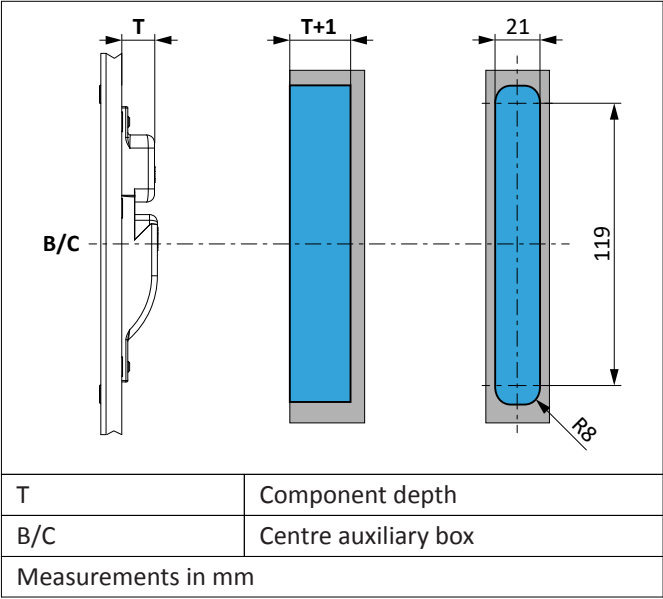
3.8.5 Milling dimensions for profile cylinder



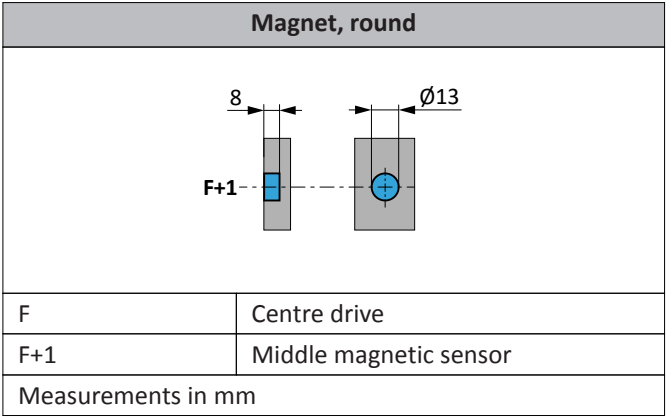
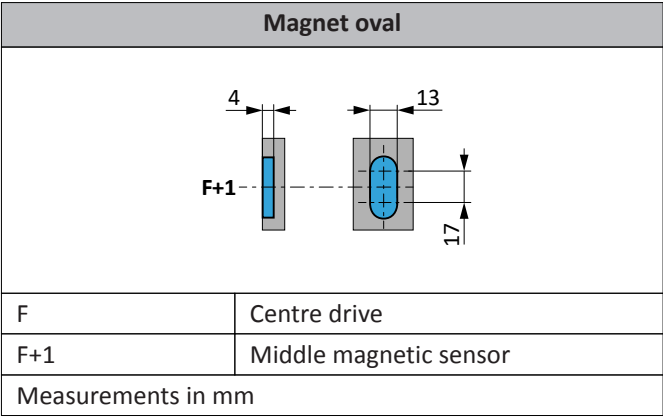
3.8.6 Milling dimensions for main striker plate



3.8.7 Milling dimensions for additional striker plate



3.8.8 Milling dimensions for magnets



3.9

Electrical connection

3.9.1

Digital connection via SI-Bus

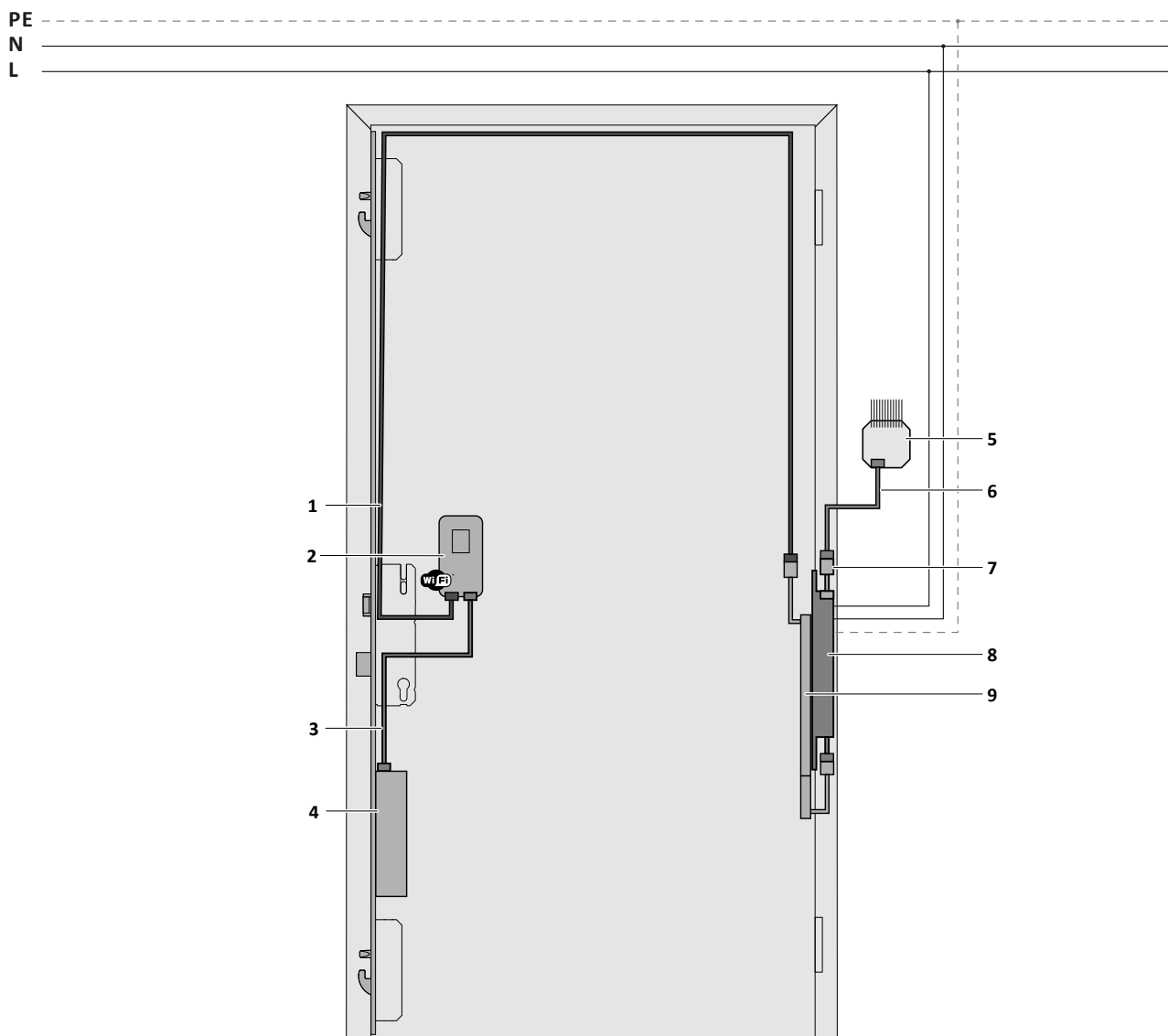
Power supply with frame-integrated power supply

PE
N
L

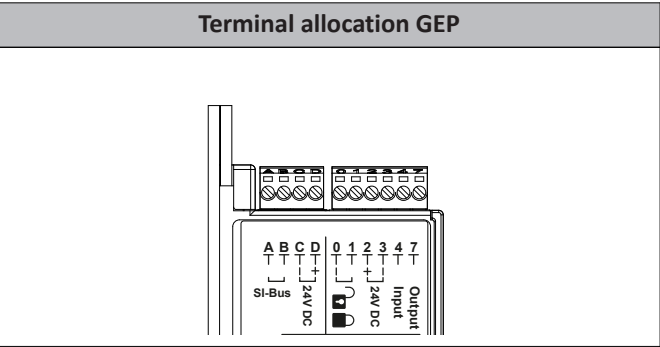
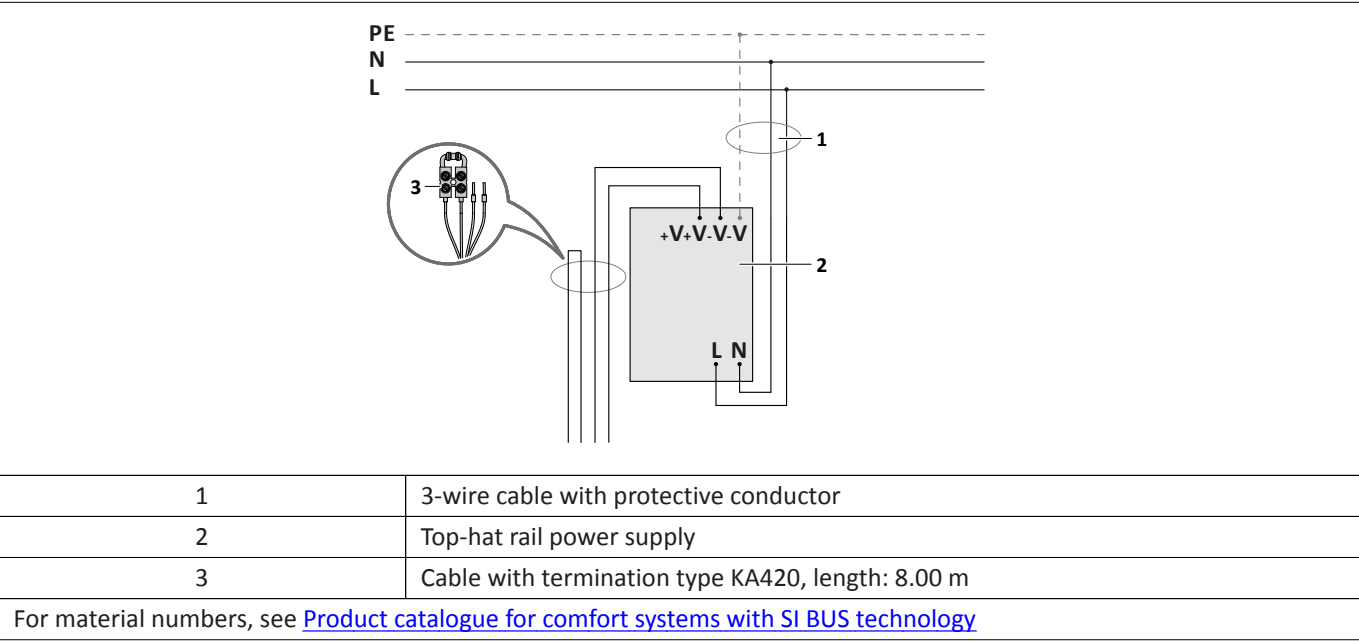
1	Cable type KA430, configured length (SI BUS plug and SI BUS bushing)
2	Cable type KA410, length: 1.00 m (4-pole PTR plug and SI BUS plug)
3	Multi-point lock with electromechanical drive GEP
4	Frame-integrated power supply with SI BUS plug connection
5	Cable transfer with integrated SI BUS plug connection

For material numbers, see [Product catalogue for comfort systems with SI BUS technology](#)

Wiring diagram with ACS and IO module

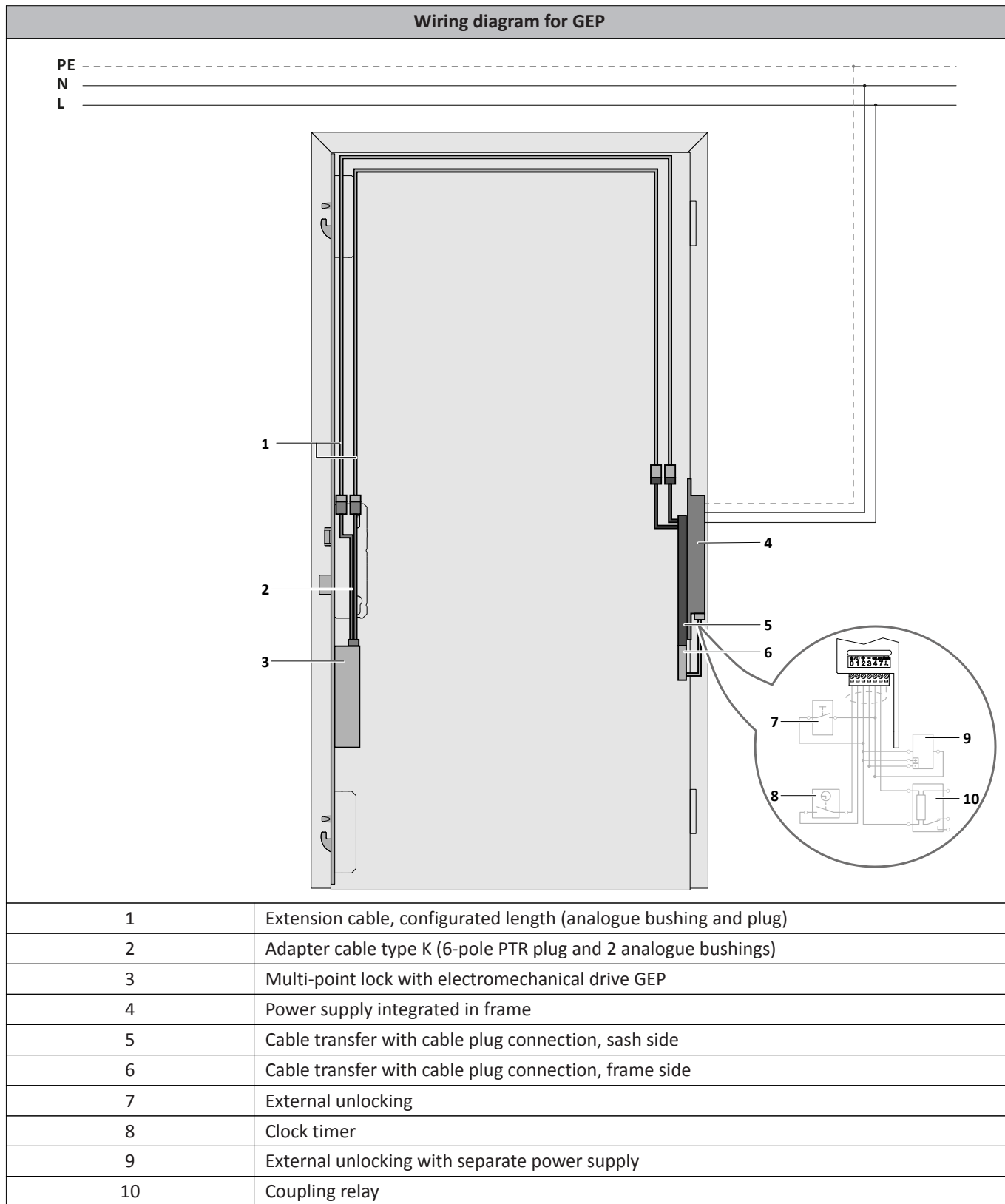


1	Cable type KA400, configured length (bilateral SI BUS plug)
2	SIEGENIA ACS (fingerprint scanner, transponder or keypad)
3	Cable type KA410, length: 1.00 m (4-pole PTR plug and SI BUS plug)
4	Multi-point lock with electromechanical drive GEP
5	IO module
6	Cable type KA400, configured length (bilateral SI BUS plug)
7	Adapter cable type ANT400, length 0.05 m (6-pole PTR plug and SI BUS bushing)
8	Frame-integrated power supply with SI BUS plug connection
9	Cable transfer with integrated SI BUS plug connection
For material numbers, see Product catalogue for comfort systems with SI BUS technology	



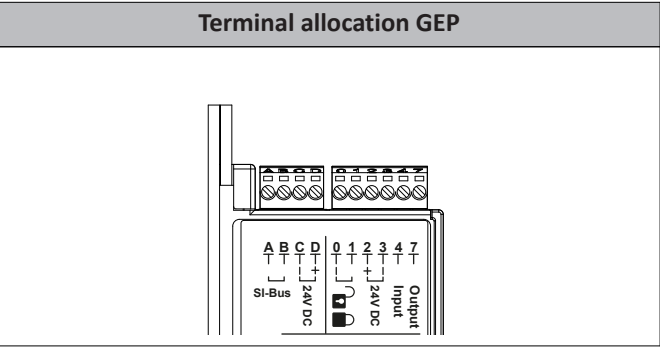
Drive		Cable	
Terminal	Function	Colour (band colour)	Identi- fication
A	SI-BUS	Yellow	0
B	SI-BUS	Green	1
C	- GND	brown	-
D	+ 24 V DC	white	+
0	Input	Grey (black)	0
1	Input	Yellow (brown)	1
2	+ 24 V DC	White (red)	+
3	- GND	Brown (blue)	-
4	Input	Green (yellow)	4
7	Output	Pink (violet)	7
-	-	Blue (white)	

3.9.2 Analogue connection



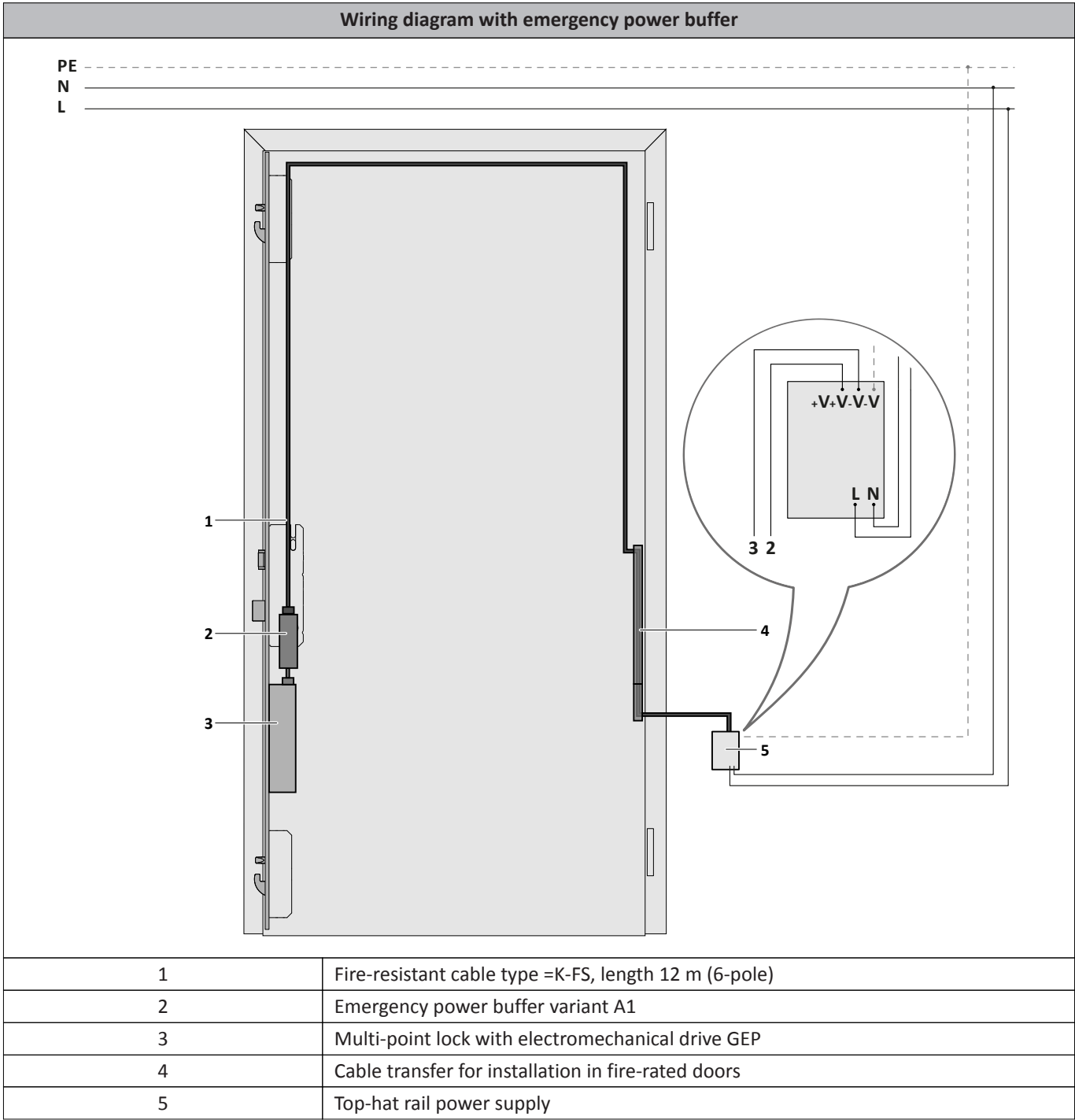
Assembly instructions

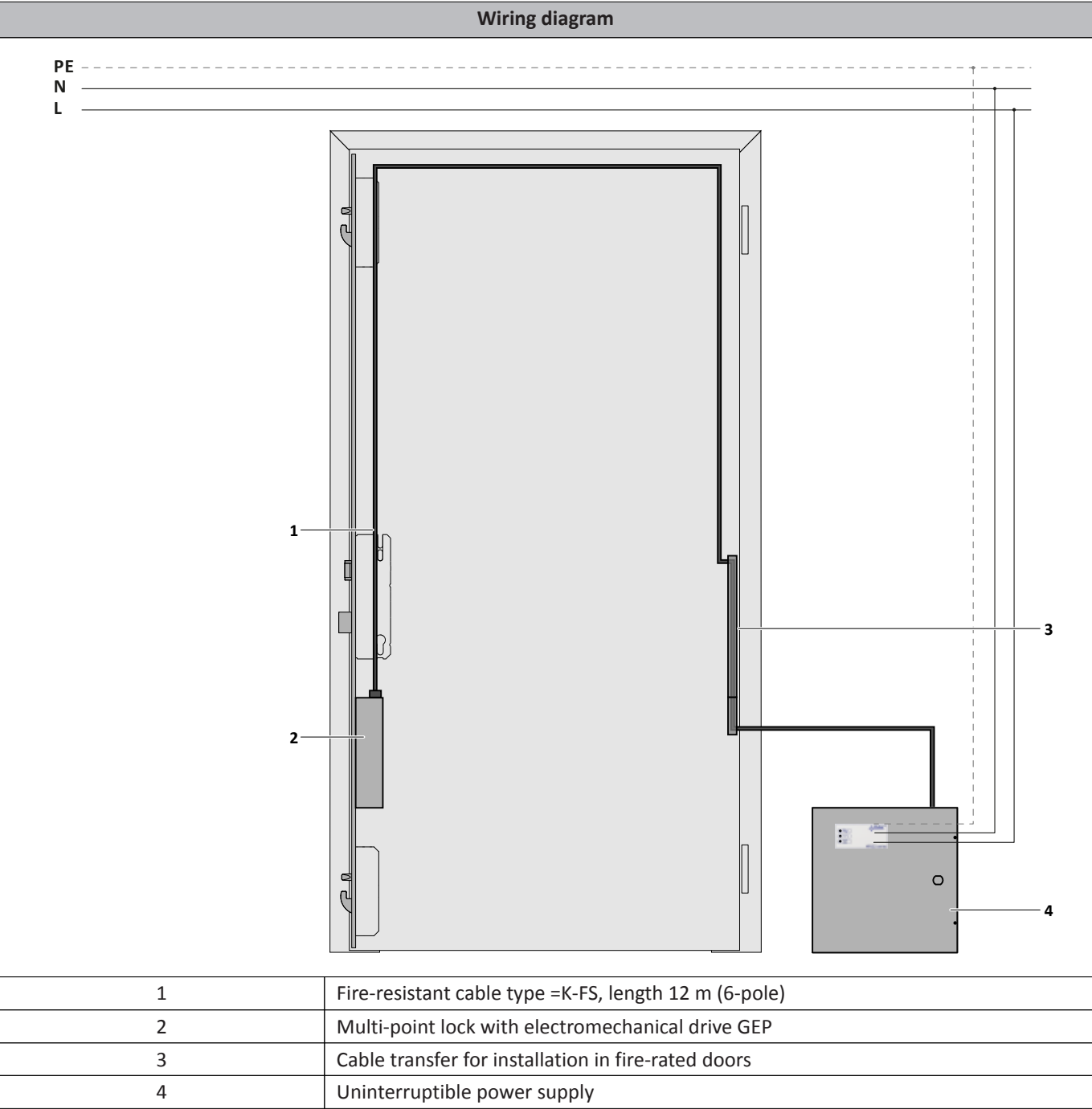
Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

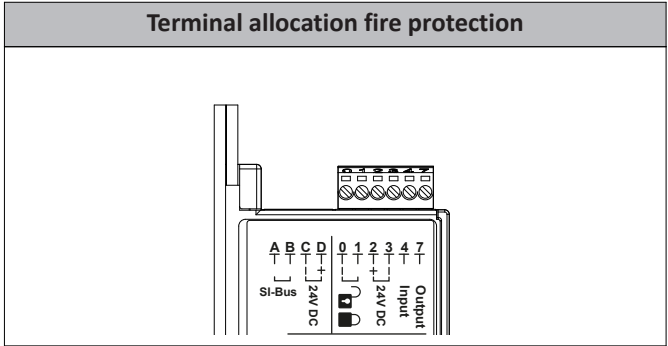
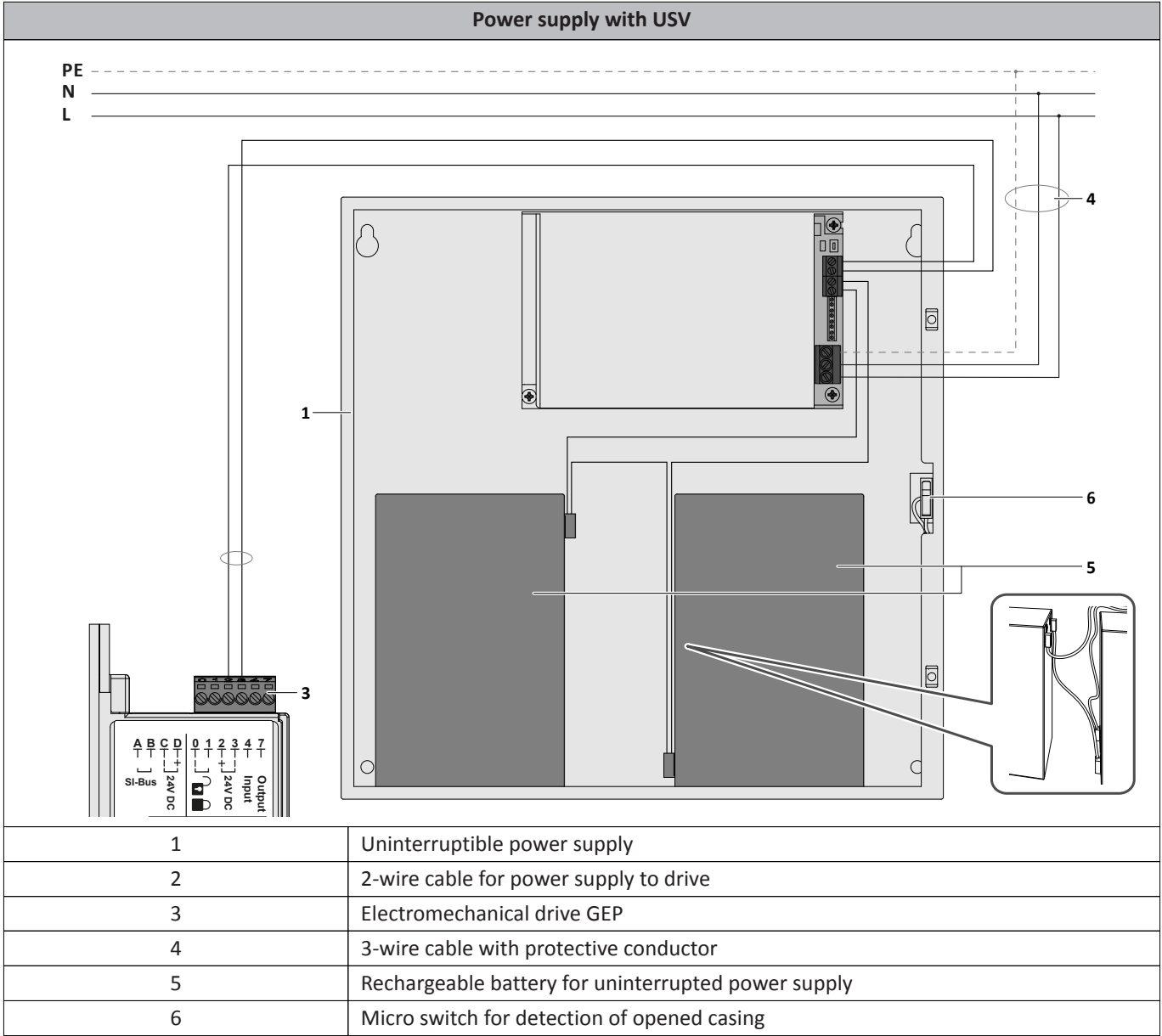


Drive		Cable	
Terminal	Function	Colour (band colour)	Identi- fication
A	SI-BUS	Yellow	0
B	SI-BUS	Green	1
C	- GND	brown	-
D	+ 24 V DC	white	+
0	Input	Grey (black)	0
1	Input	Yellow (brown)	1
2	+ 24 V DC	White (red)	+
3	- GND	Brown (blue)	-
4	Input	Green (yellow)	4
7	Output	Pink (violet)	7
-	-	Blue (white)	

3.9.3 Analogue connection for smoke protection and fire-rated doors







Drive		Cable	
Terminal	Function	Colour (band colour)	Identifi- cation
0	Input	Grey (black)	0
1	Input	Yellow (brown)	1
2	+ 24 V DC	White (red)	+
3	- GND	Brown (blue)	-
4	Input	Green (yellow)	4
7	Output	Pink (violet)	7
-	-	Blue (white)	

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

3.10 Technical specifications

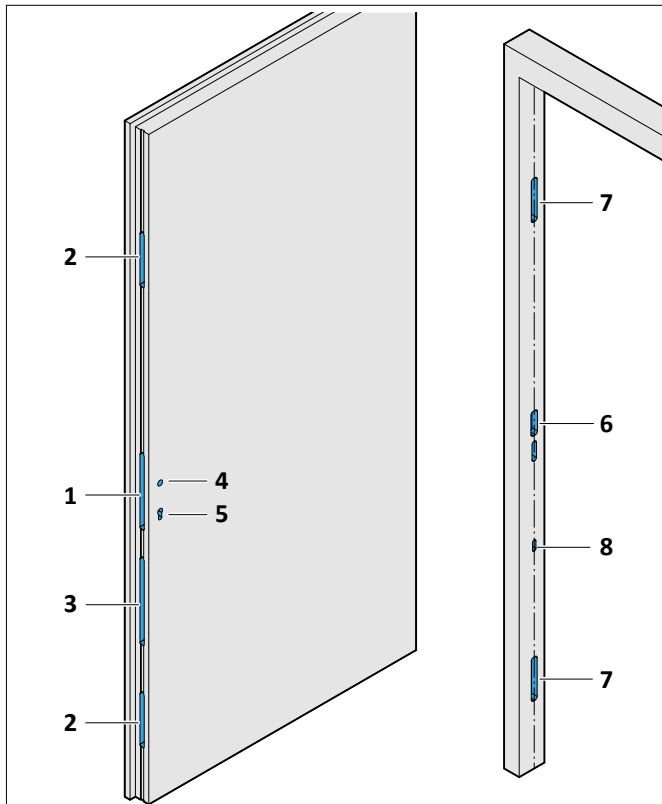
Relative humidity (non condensing)	20 - 80 %
Ambient temperature (in accordance with DIN EN 14846 class K, L, N, P) T_{UM}	-25 - +70 °C
Protection class	IP 40
Electrical connection	Digital connection via SI-Bus Analogue connection
Operating voltage U_B	24 V DC (19 - 32 V DC)
Protection against polarity reversal $U_{Verp.}$	-50 V
Communication voltage $U_{SI\ BUS}$	-7 - +12 V
Voltage input terminal 4 $U_{KL4.ON}$	24 V DC (19 - 32 V DC) > 1 s
Operating current for motor control I_B	500 mA (max. 1000 mA)
Current output terminal 7 I_{KL7}	≤ 20 mA
Min. standby time with connected USV t_{Ready}	33.6 h

3.11 Accessories

name	Material description	Intended use	PC	Mat. No.
Cover cap	ZEM AK--EE-----16K-----85----EE	For protection against ingressing moisture	1	3522851
Rechargeable battery	ZEM USVBA-----BATTERY---12V--7AH---USV--	For uninterrupted emergency power supply	2	3470680

4 Installation

4.1 Preparation for installation



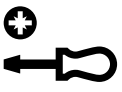
- ◇ Drill and mill the door leaf and door frame according to the dimension specifications and the general tolerances defined in ISO 2768.
- ◇ Remove any splinters from routed pockets after milling.
- ◇ Before installing the product, check the dimensional accuracy of the door and the door frame. Do not install the product in event of warping or damage.
- ◇ Check the product for damage. Do not install the product if it is bent or damaged.
- ◇ Route the cable for power supply to the drive from the hinge side of the door leaf to the product without kinks.
- ◇ If need be, insert the oval magnet bush into the striker plate series 23xx without backing with the magnet facing upwards.

1	Milling for main lock case (see page 30)
2	Milling for auxiliary box (see page 30)
3	Milling for drive (see page 31)
4	Hole for lever handle (see page 31)
5	Milling for profile cylinder (see page 32)
6	Milling for main striker plate (see page 32)
7	Milling for additional striker plate (see page 33)
8	Milling for magnet (see page 33)

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

4.2 Tooling and work equipment

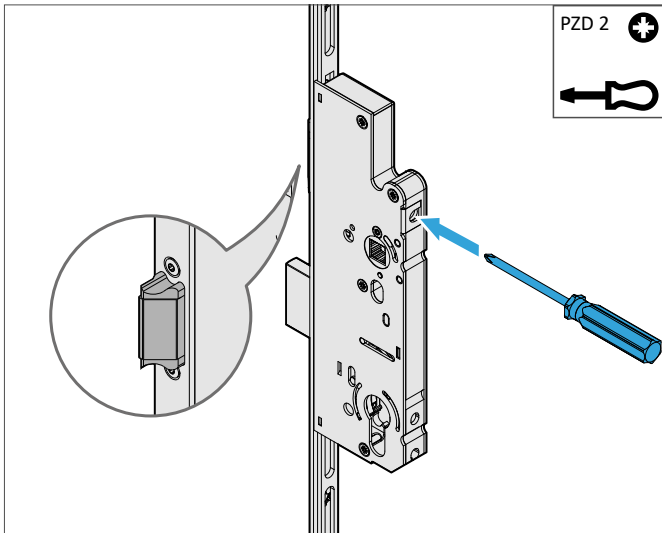
Tooling	
	Cross screwdriver PZD2
	Torx angle wrench T10

Work equipment		Intended use
	Screw Ø 3.9 mm	PVC min. 2 mm wall thickness
	Screw Ø 4.8 mm	PVC SKG** min. 2 mm wall thickness
	Screw Ø 4.0 mm	Timber
	Screw Ø 4.0 mm x 40 mm	Timber SKG**
	Screw Ø 4.5 mm x 45 mm	Timber SKG*** SKH certified
	Screw Ø 3.9 mm	Metal steel reinforcement min. 1.5 mm wall thickness
	Screw Ø 4.2 mm	Metal SKG** steel reinforcement min. 1.5 mm wall thickness

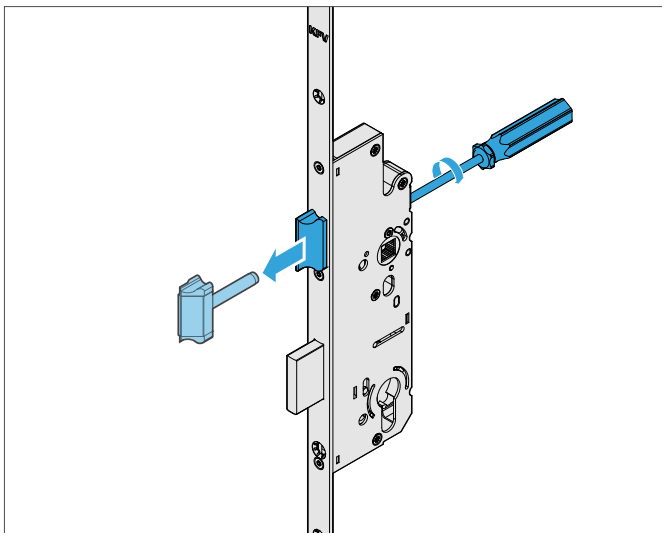
4.3 Installing sash parts

4.3.1 Change DIN orientation of the main lock latch

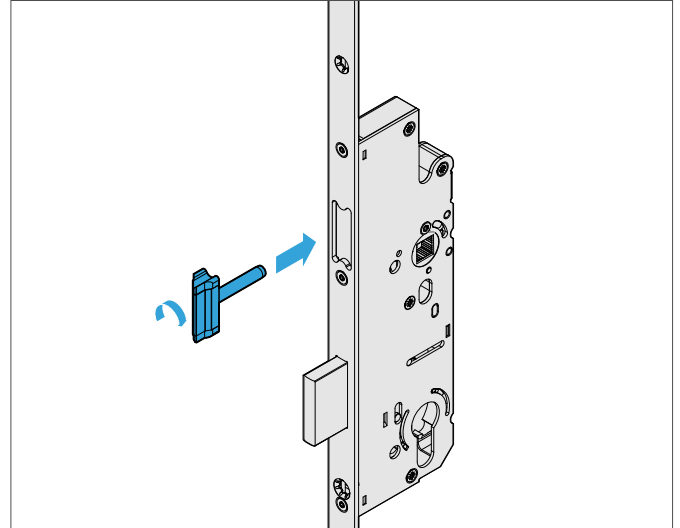
1. Compare the DIN orientation of the door with the latch and change over the latch if necessary.
2. Insert the screwdriver through the hole at the rear of the gear box.



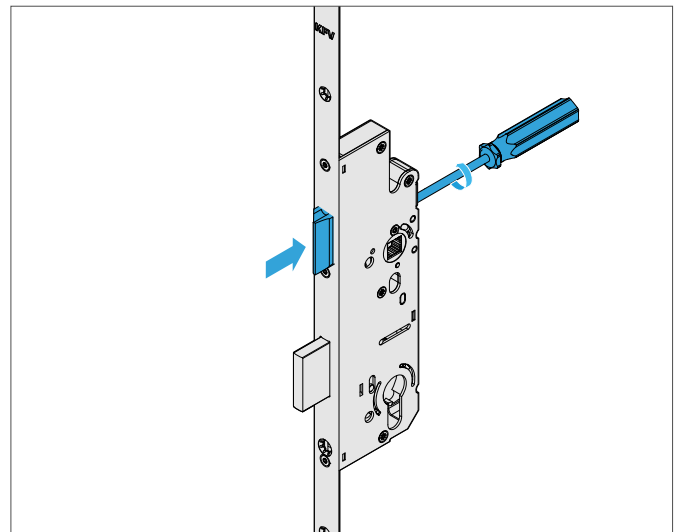
3. Loosen the locking screw of the latch shaft and remove the latch.



4. Turn the latch by 180° and press into the gear box.



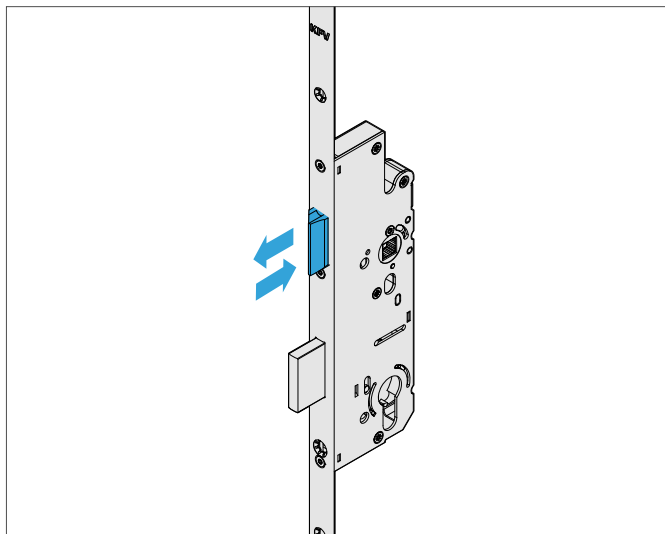
5. Tighten the locking screw of the latch shaft with the screwdriver.



Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

6. Press the latch into the gear box several times.

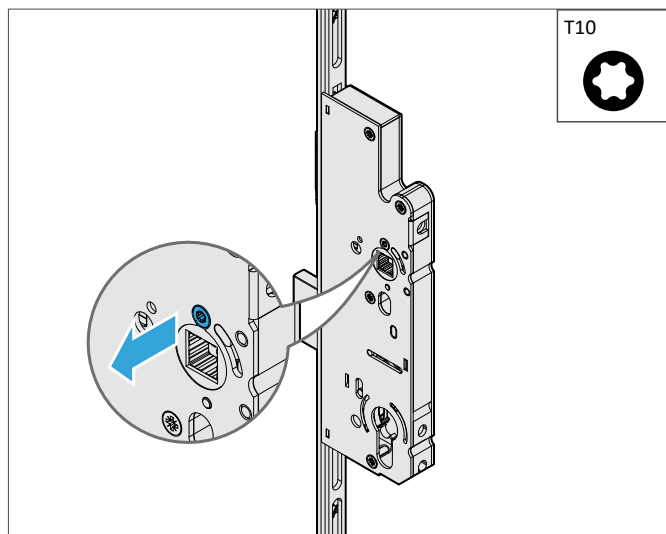


7. Check that the latch extends independently and smoothly.

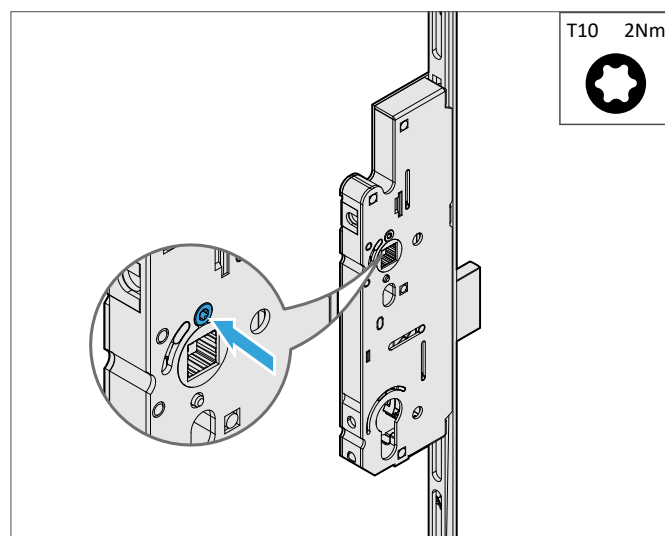
4.3.2 Changing the direction of escape in the main lock

1. Check the direction of escape in the main lock and change if necessary.

2. Loosen the screw and remove from the hole.



3. Guide the screw into the hole on the opposite side and tighten.



4.3.3 Screwing the multi-point lock into place

! NOTICE

Material damage due to ingressing liquid

An ingress of liquid into the drive can lead to short circuit.

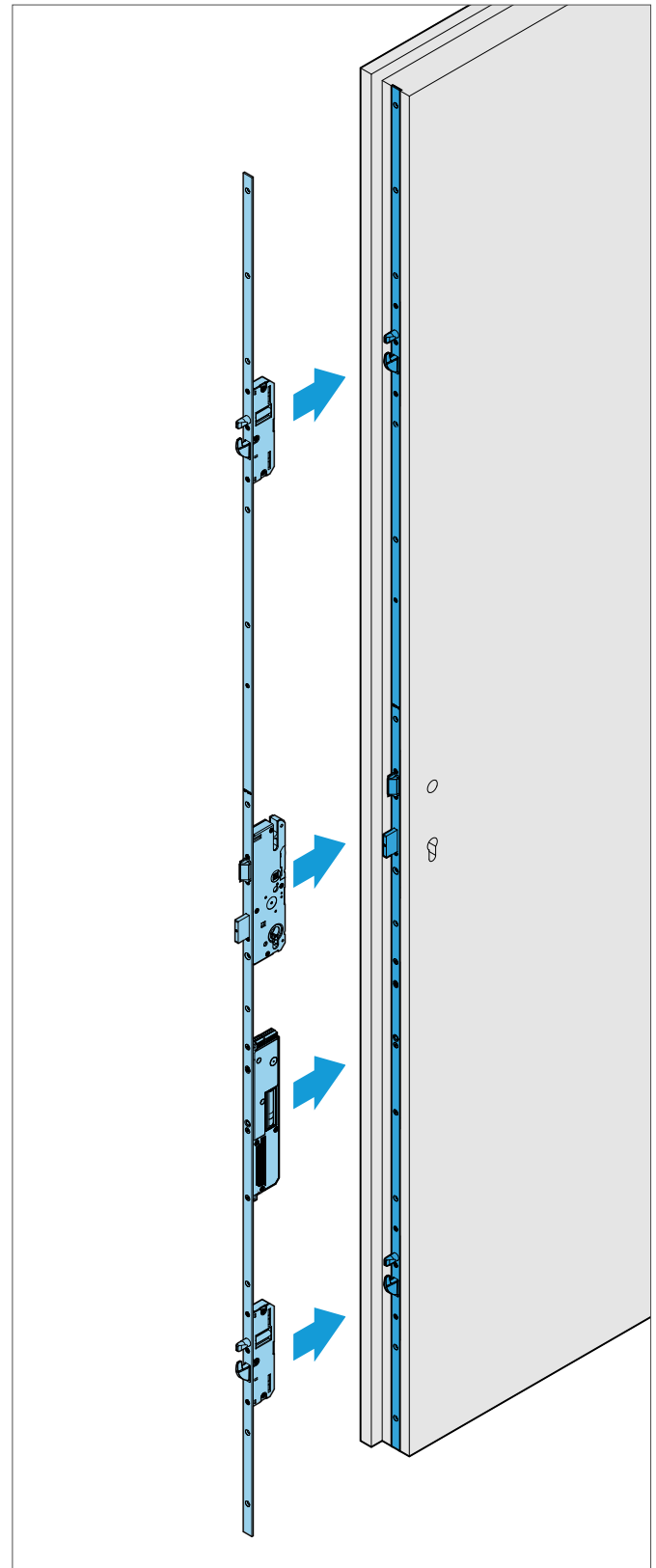
- Mount the cover cap to protect against ingressing liquid.
- Observe the IP protection class.

Prerequisite

- The cables are routed through the door leaf.

1. Connect the cable to the drive. If necessary, mount the cover cap to the electrical connection of the drive.
2. Guide the cable into the routed pocket avoiding any kinks.

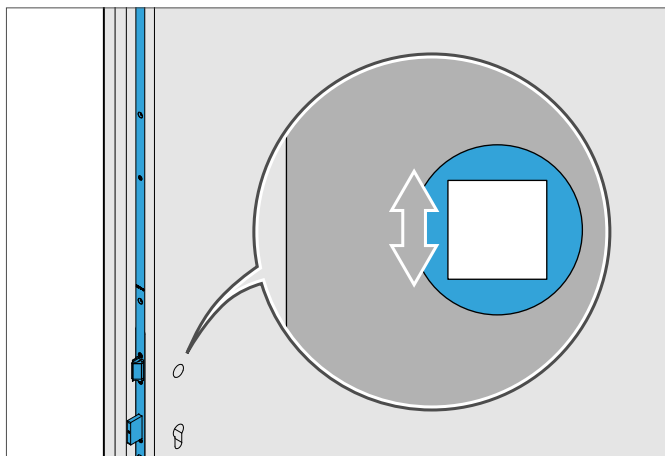
3. Insert the multi-point lock in the milled door leaf.



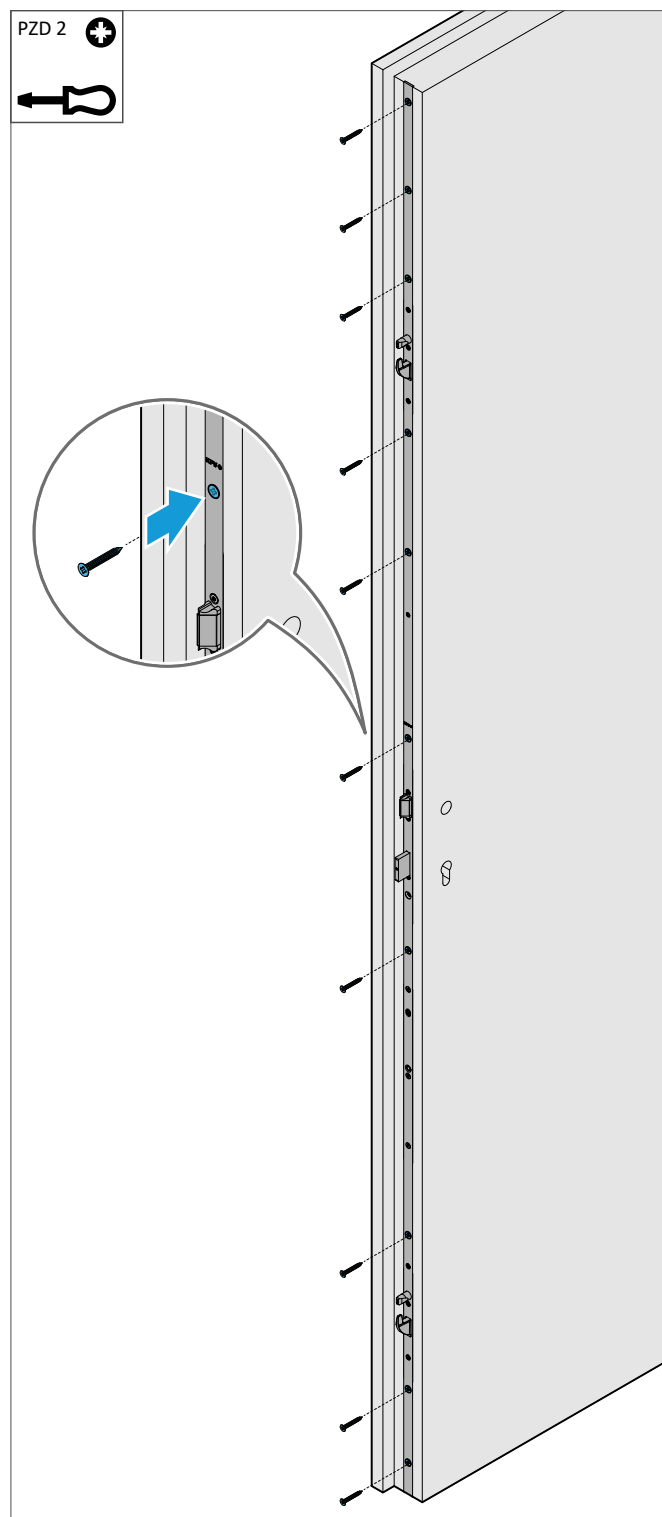
Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

4. Adjust the multi-point lock so that the handle spindle is centred to the hole.



5. Screw the multi-point lock to the door leaf.



4.3.4 Assembly of handle set and cylinder lock

NOTICE

Material damage due to improper assembly

You will damage the multi-point lock if you do not install the handle set and cylinder lock properly.

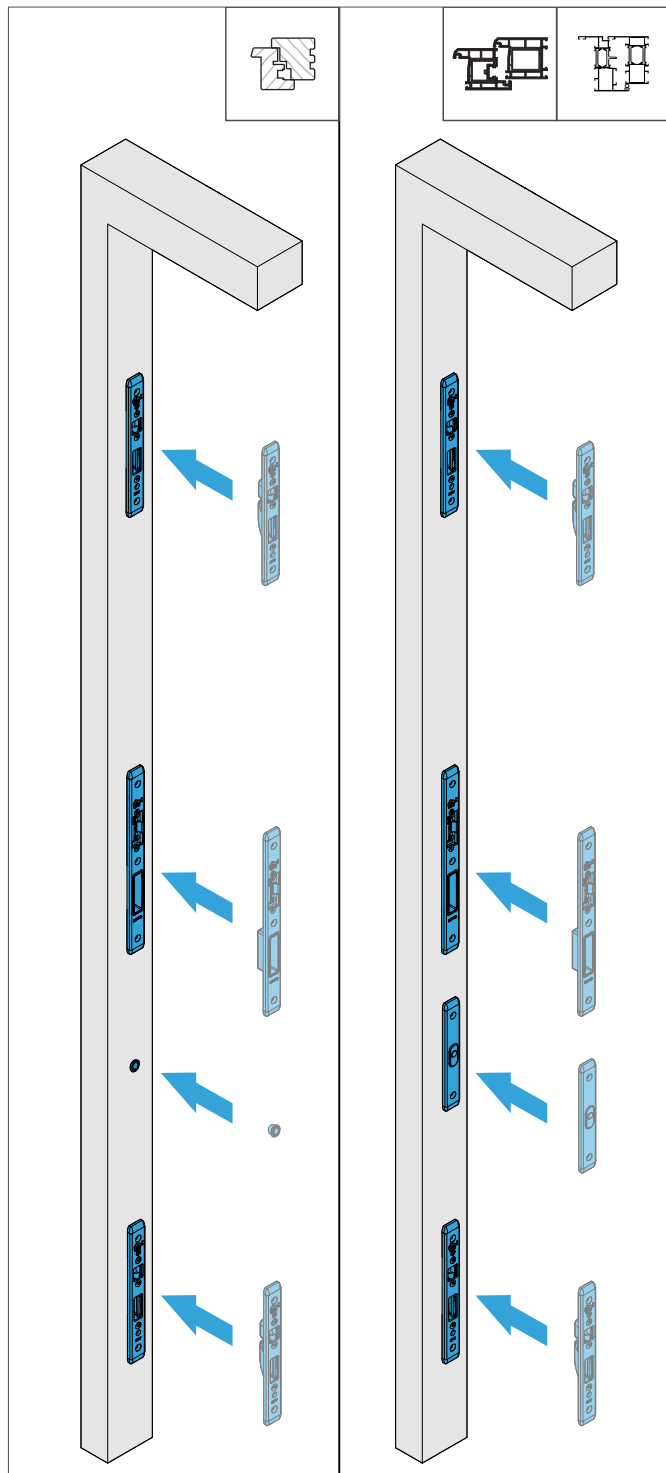
- Once the gear box is installed, do not drill through the door leaf.
- Do not knock the square spindle into the handle spindle with force.
- Do not knock the cylinder lock into the cylinder hole with force.

- ◇ Install the handle set and the cylinder lock according to the producer's instructions.

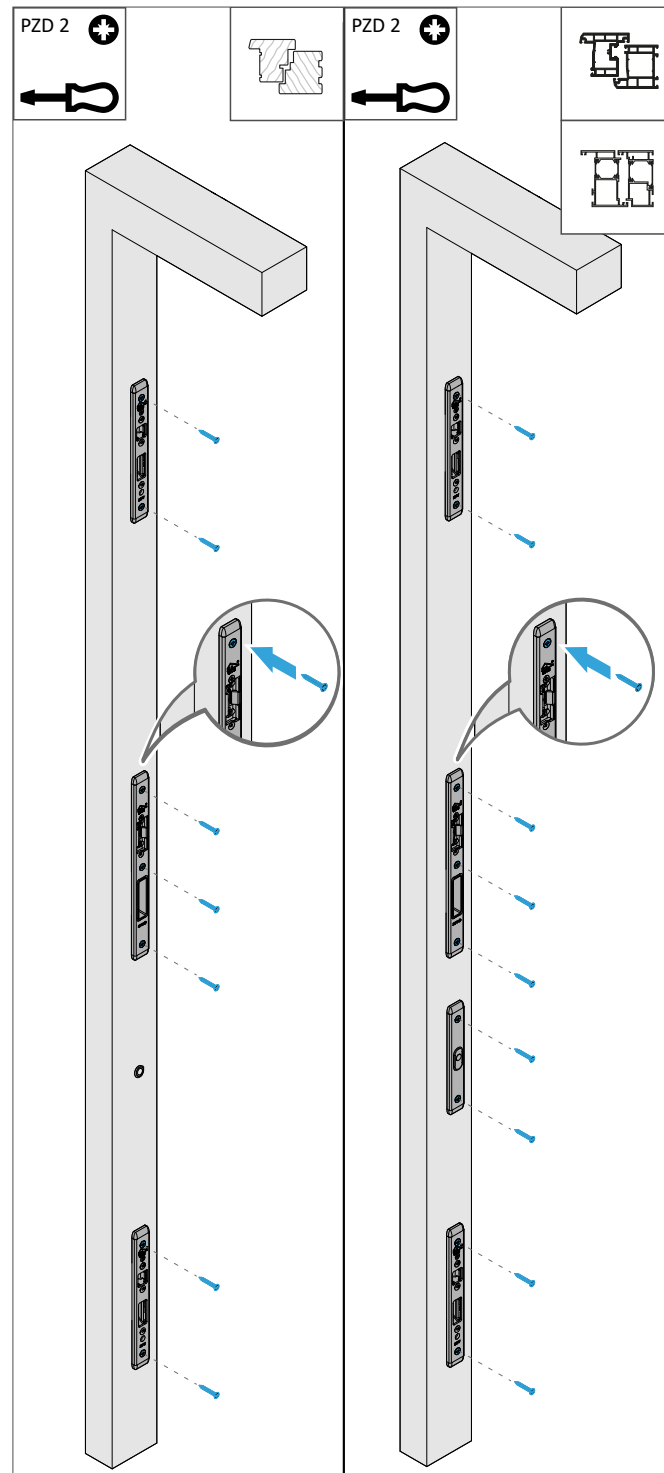
4.4 Mounting the frame parts

4.4.1 Screw on striker plates

1. Insert the frame parts into the milled door frame.

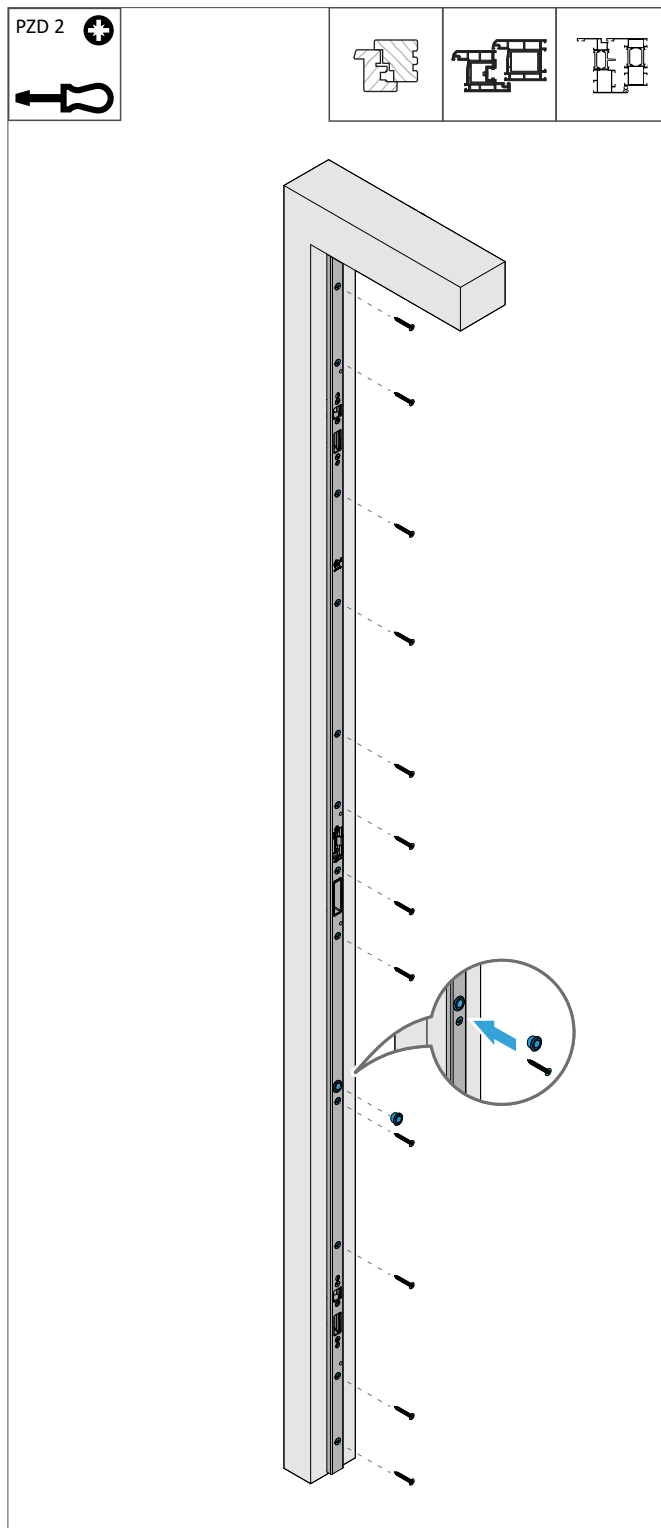
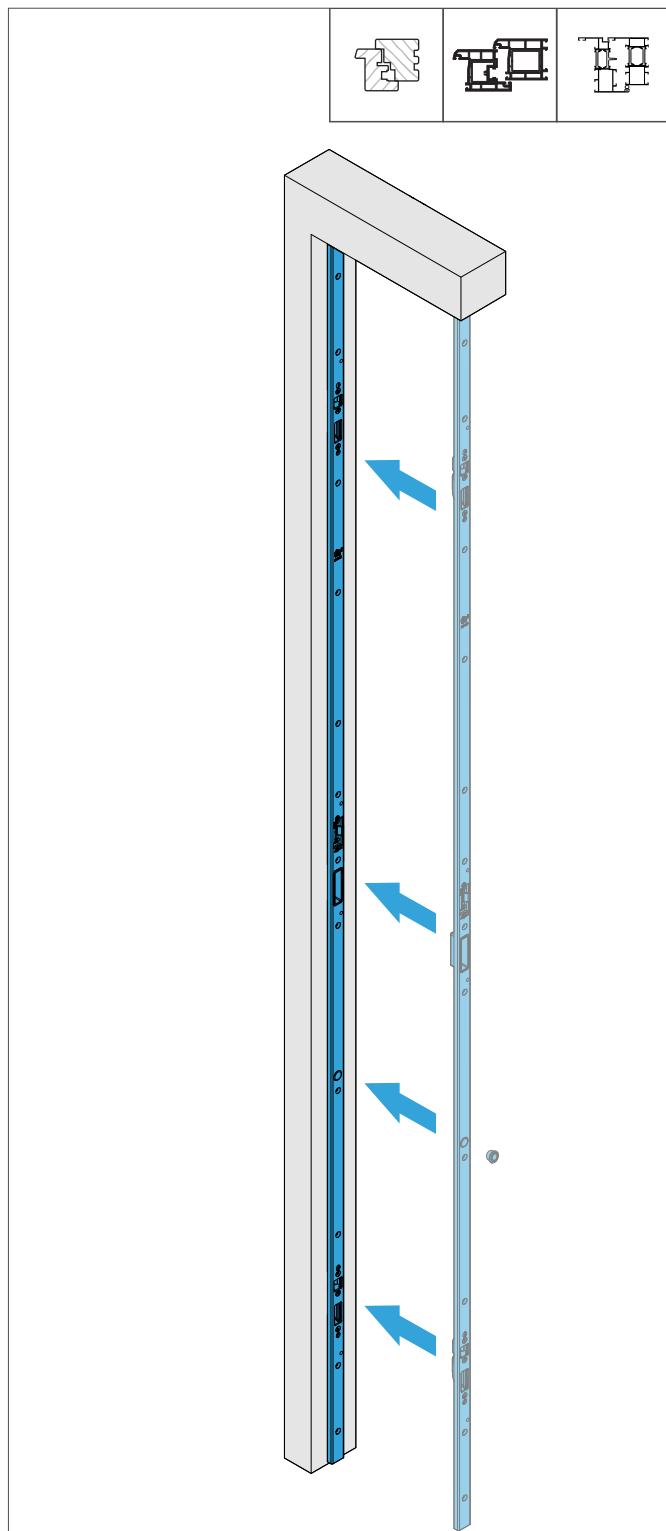


2. Screw the striker plates to the door frame.



4.4.2 Screw on locking rail

1. For the magnet, in case of need: drill $\varnothing 13$ at the bar marking.
2. Insert the locking rail into the milled door frame.
3. Screw the locking rail to the door frame.



5

Commissioning

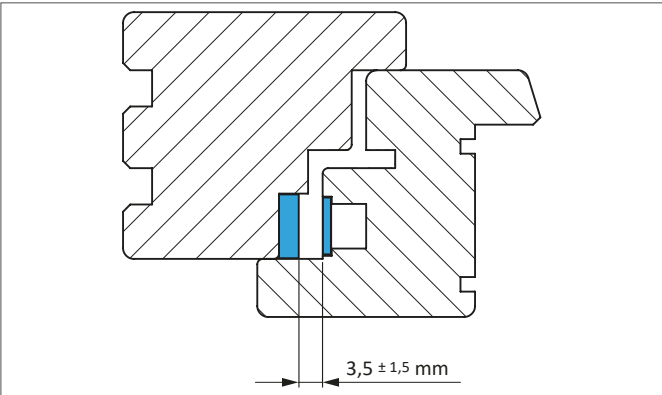
5.1

Adjusting the residual airgap

The function of the multi-point lock is guaranteed for the defined residual airgap.

1.
- Follow the assembly instructions of the producer of the door hinge.

2.
- Adjust the residual airgap between secondary sash and frame part.



5.2

Adjustment of the frame parts

The release force and the locking force must be adhered to in accordance with the declaration of performance defined in DIN EN 179:2008 or DIN EN 1125:2008.

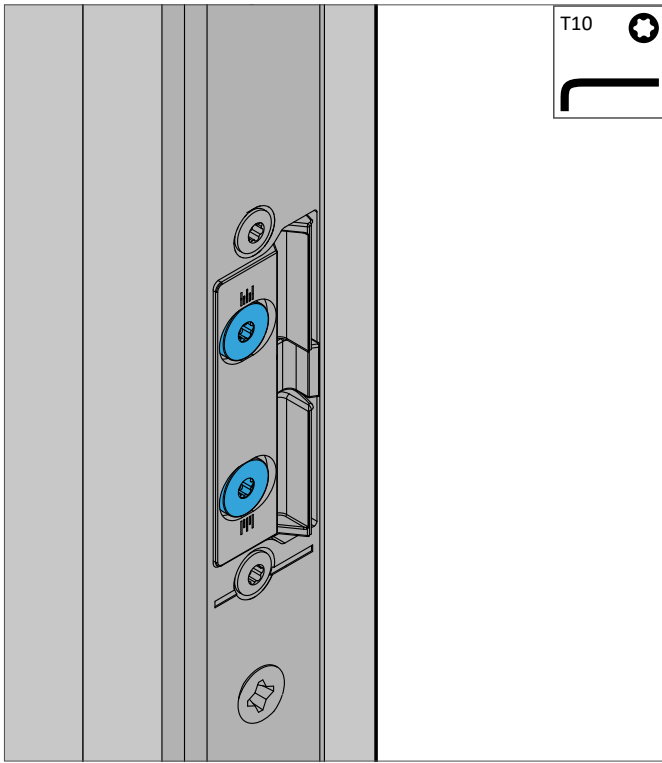
Position of the frame parts

A diagram of a window frame with three blue circles highlighting specific adjustment points. The top circle is labeled '1', the middle circle is labeled '2', and the bottom circle is labeled '1'. A small black arrow points to the bottom circle.

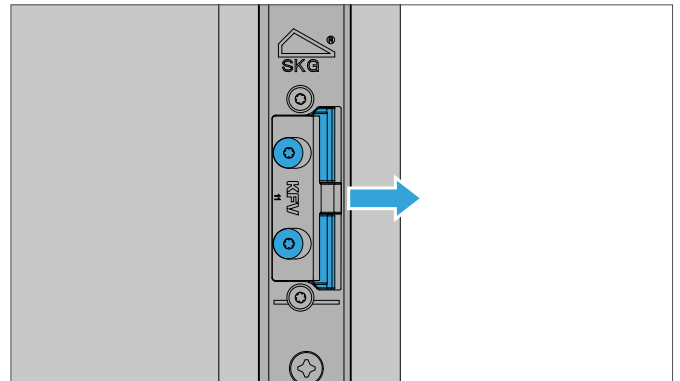
1	Q-adjustment
2	Replacement part

5.2.1 The door does not close

- ◇ Loosen the two adjustment screws of the replacement part.



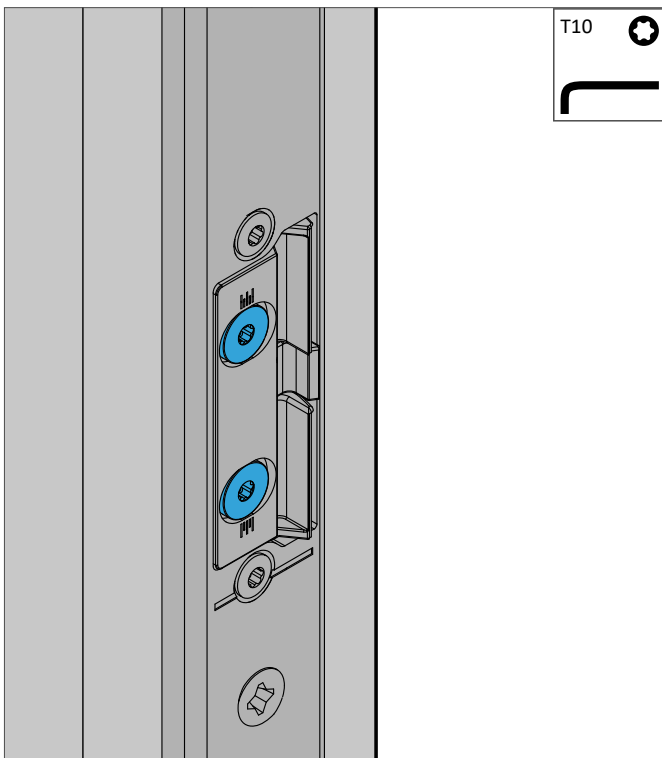
- ◇ Adjust the replacement part in the direction of the door leaf.



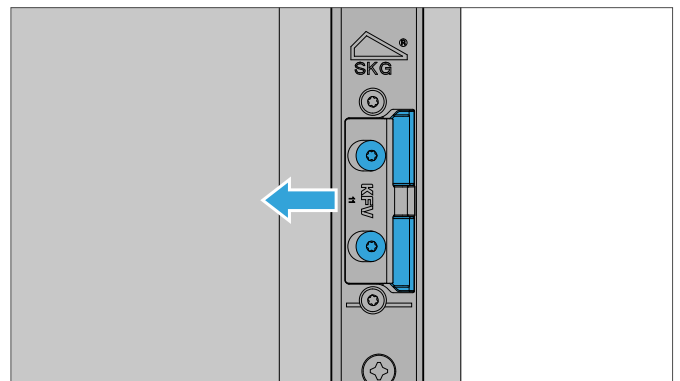
- ◇ Tighten the two adjustment screws.
- ◇ Check whether the release force and the locking force in accordance with the declaration of performance are adhered to.

5.2.2 The door closes with play

- ◇ Loosen the two adjustment screws of the replacement part.



- ◇ Adjust the replacement part in the direction of the door frame.



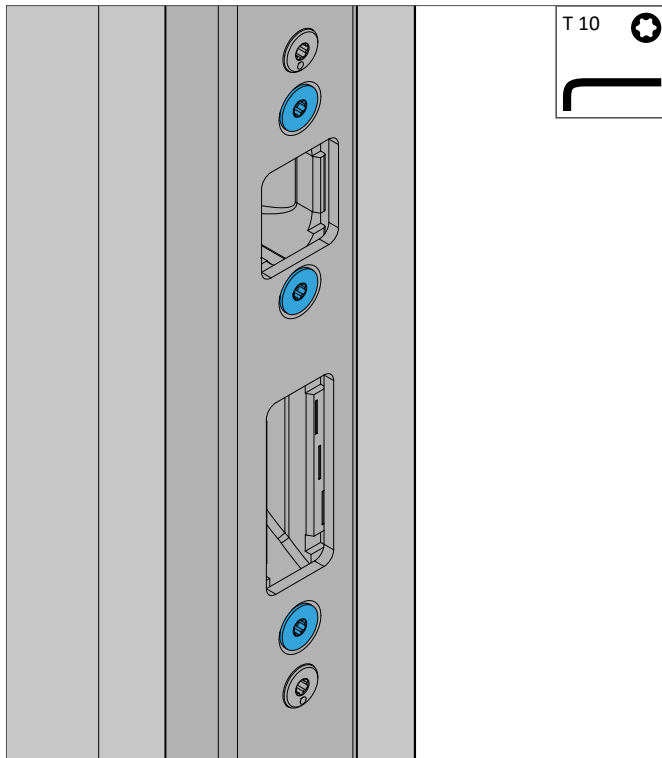
- ◇ Tighten the two adjustment screws.
- ◇ Check whether the release force and the locking force in accordance with the declaration of performance are adhered to.

Assembly instructions

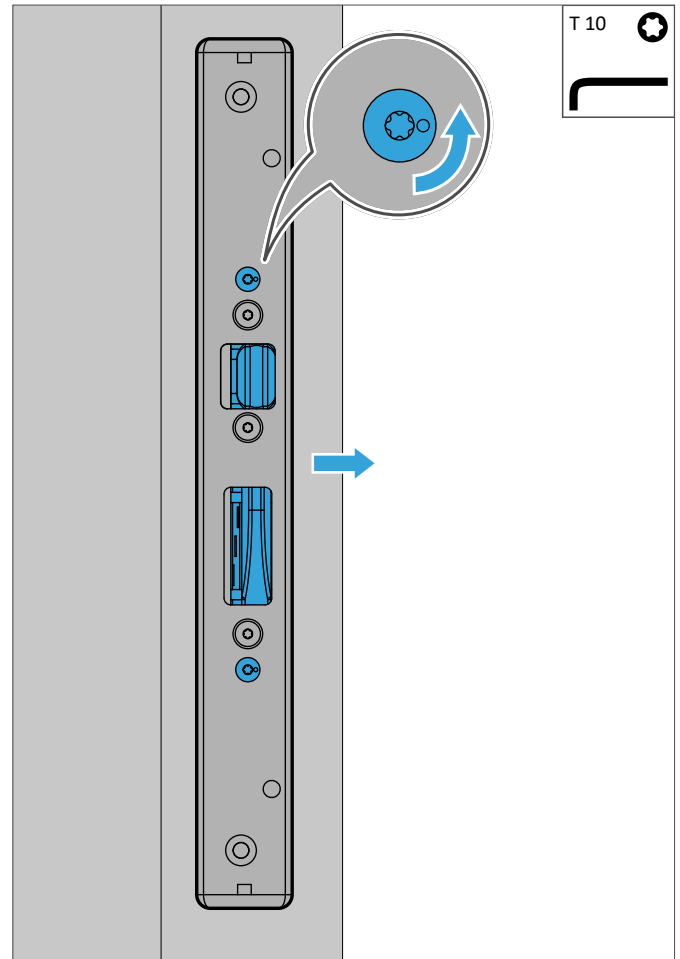
Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

5.2.3 The door does not lock

- ◇ Loosen the 3 fixing screws of the Q-adjustment.



- ◇ Turn both eccentric screws max. 90° from the neutral position (marking pointing downwards) in an anti-clockwise direction.



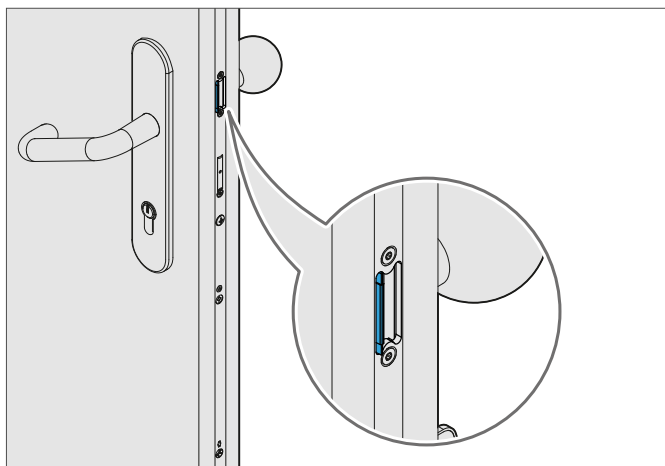
→ The Q-adjustment moves up to 2.5 mm in the direction of the door leaf.

- ◇ Tighten the 3 fixing screws of the Q-adjustment. Ensure that the locking elements engage freely in the Q-adjustment.
- ◇ Check whether the release force and the locking force in accordance with the declaration of performance are adhered to.

5.3 Checking it works

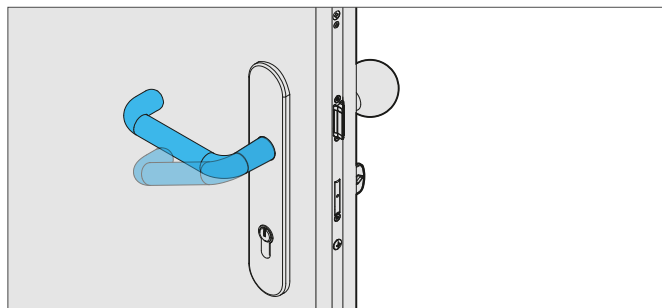
5.3.1 Checking the lever handle and latch function

1. Open the door.
2. Push the lever handle downwards as far as it will go and hold down.
3. Check that the main lock latch is smoothly and fully retracted.

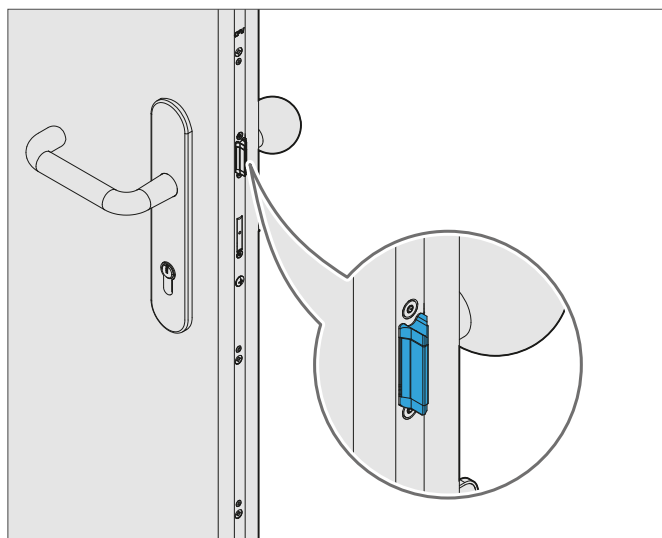


4. Release the lever handle.

5. Check that the lever handle retracts independently in horizontal position.



6. Check that the main lock latch is fully extended.

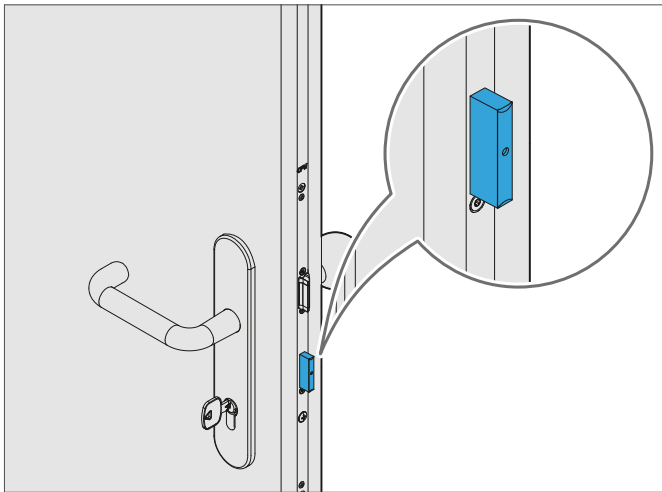


Assembly instructions

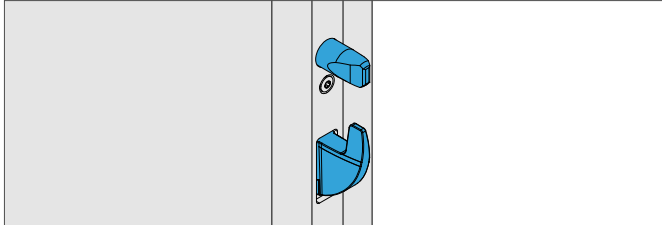
Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

5.3.2 Checking the locking elements

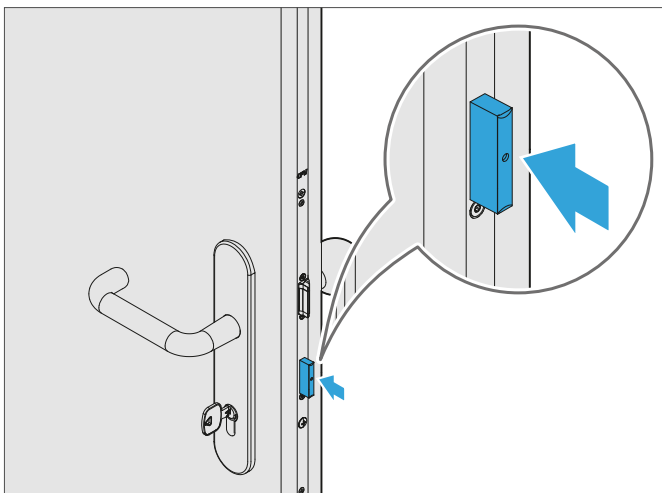
1. Open the door.
2. Turn the key in the locking direction as far as the stop.
3. Check that the main lock bolt has extended smoothly and fully.



4. Check that the hook bolt and bolt have extended smoothly and fully.

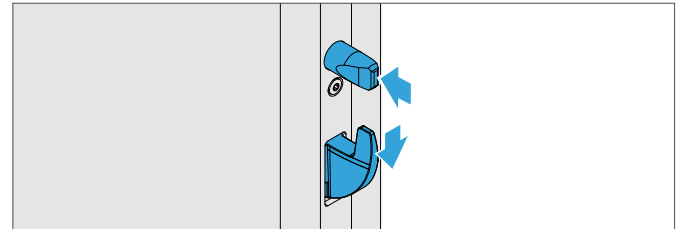


5. Push against the main lock bolt.



6. Check that the main lock bolt cannot be pushed back.

7. Press against the hook bolt and the bolt.

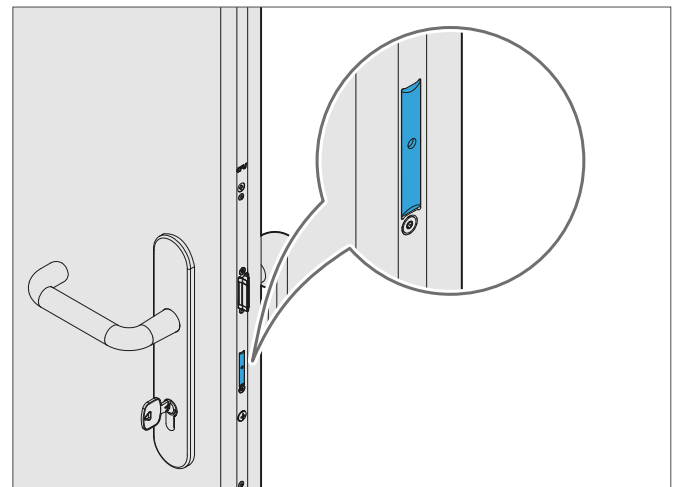


8. Check that the hook bolt and bolt cannot be pressed back.

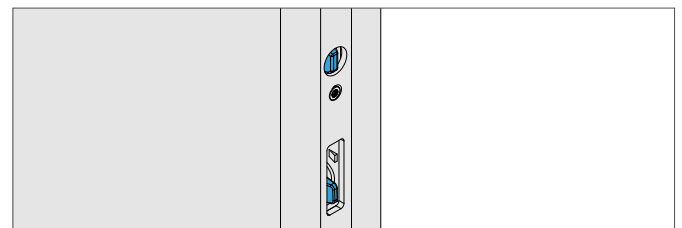
9. Remove the key.

10. Push the lever handle downwards as far as it will go.

11. Check that the main lock bolt has retracted smoothly and fully.

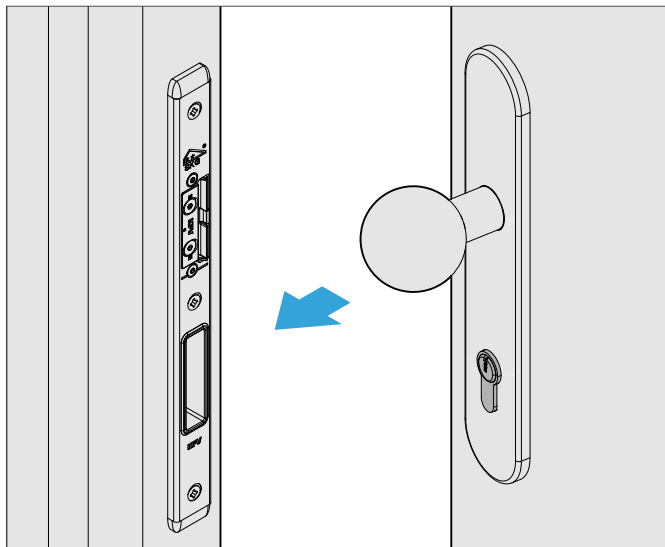


12. Check that the hook bolt and bolt have extended smoothly and fully.



5.3.3 Check the door function

1. Open the door and switch the multi-point lock to day mode.
2. Close the door.
3. Check that the door closes smoothly and the latch engages in the replacement part.
4. Push the lever handle downwards as far as it will go.
5. Check that the lever handle can move smoothly.
6. Check that the door opens smoothly.

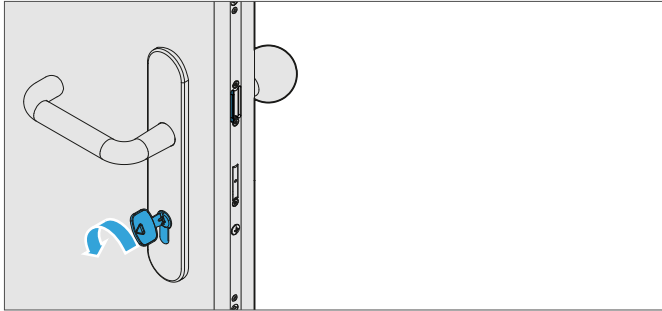


Assembly instructions

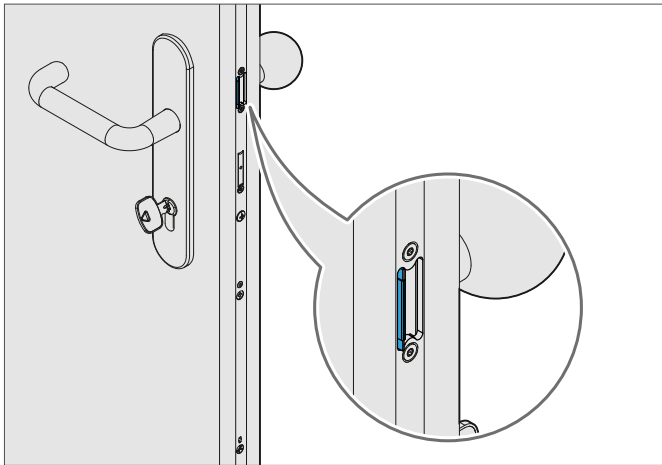
Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

5.3.4 Check the cylinder operated lock

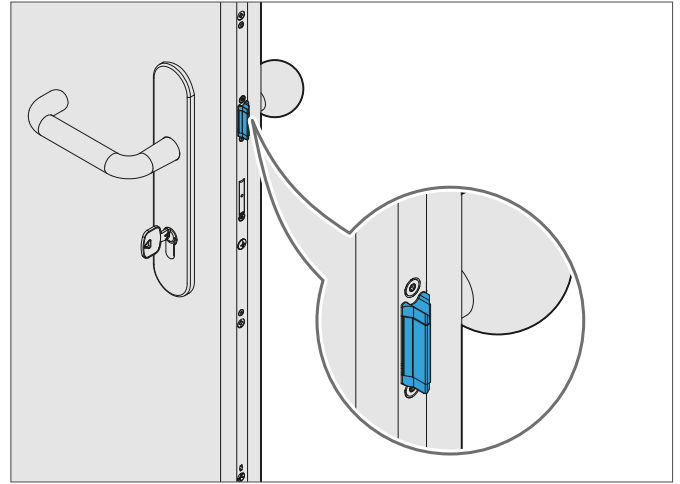
1. Open the door.
2. Switch the multi-point lock to day mode.
3. Turn and hold the key in the unlocking direction.



4. Check that the main lock latch is fully retracted.



5. Release the key.
6. Check that the main lock latch is fully extended.



7. Close the door.
8. Open the door with the key.
9. Check that the door opens smoothly.

5.3.5 Check automatic locking part

1. Open the door.
2. Switch the multi-point lock to night mode (see page 23).
3. Close the door.
4. Check that the door is locked.
5. Push the lever handle downwards as far as it will go.
6. Check that the door opens smoothly.

5.3.6 Check manual locking part

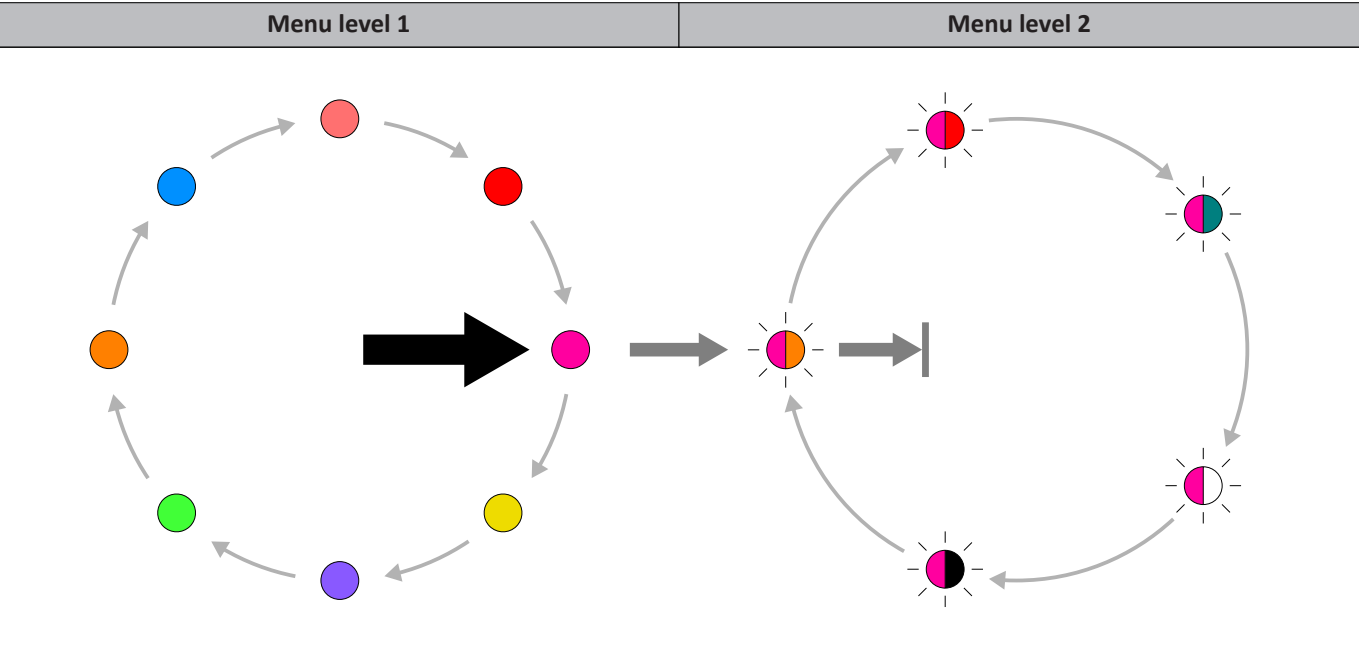
1. Open the door.
2. Switch the multi-point lock to day mode (see page 23).
3. Close the door and lock with the key.
4. Check that the door is locked.
5. Withdraw the key.
6. Push the lever handle downwards as far as it will go.
7. Check that the door opens smoothly.

5.3.7 Check the escape function

1. Close the door.
2. Check that there is an audible locking sound in the area of the locking elements.
3. Push the operating element downwards to the stop.
4. Check that the door opens smoothly. Lubricate if required.

5.4 Adjustment of functions

5.4.1 Adjustment of volume



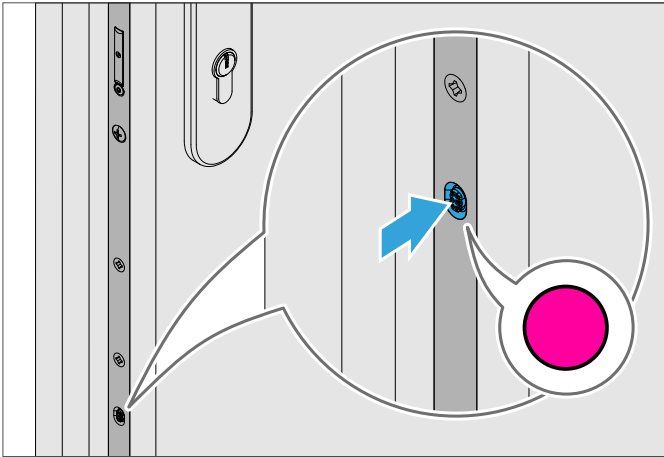
Menu level 1	Menu level 2	value
		50 % (default setting)
		25 %
		0 %
		100 %
		75 %

Prerequisites

- The status LED lights up green.
- The menu LED button lights up white in daytime mode or blue in night mode.

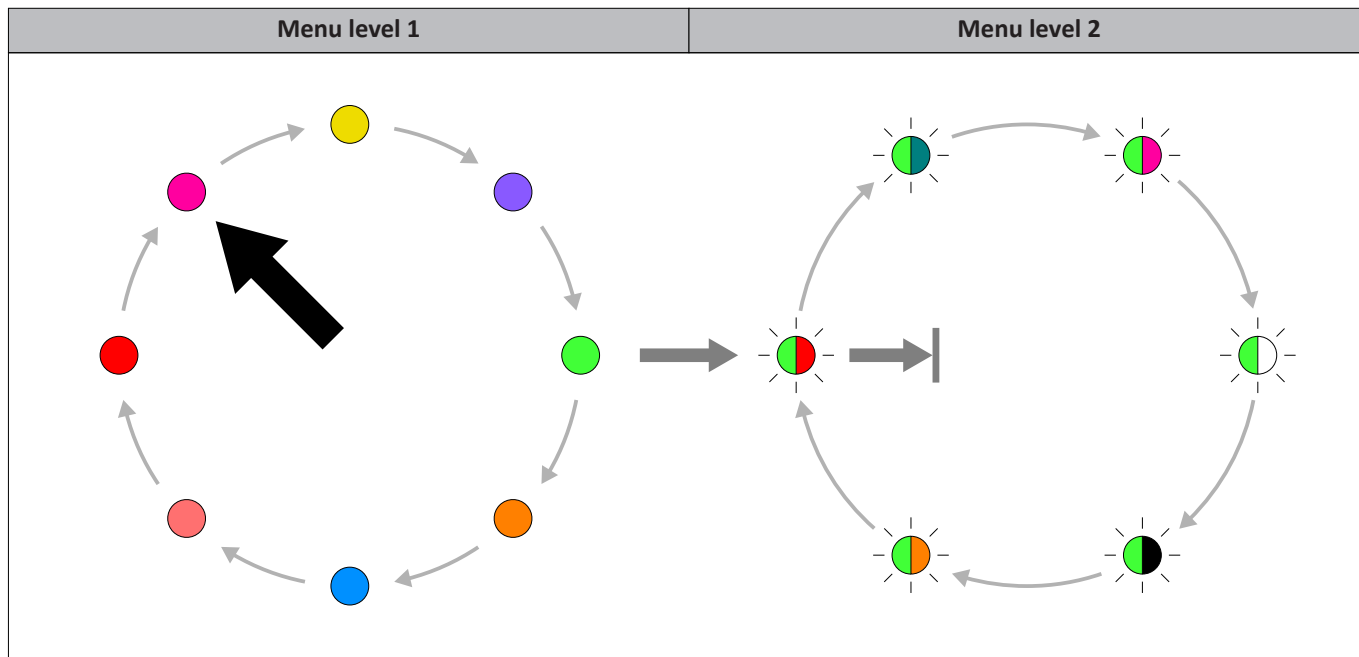
1. Press the menu LED button if no LEDs light up.

2. To change to menu level 1, press and hold down the menu LED button for 8 seconds until it light up magenta and emits an acoustic signal.



3. To change to menu level 2, press and hold down the menu LED button for 3 seconds.
- In the menu level 2 the adjusted value flashes at first.
4. To select the desired volume, press the menu LED button according to the scheme.
5. Hold down the menu LED button for 3 seconds to save the selected function.

5.4.2 Adjustment of daytime / night mode of operation changeover



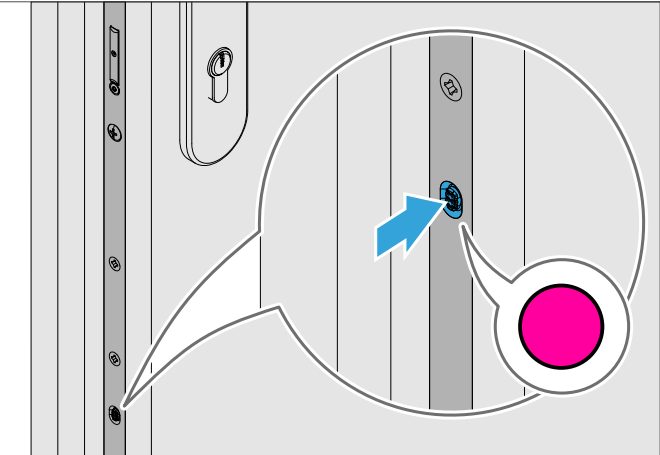
- The "System services" menu can be retrieved in 30 minutes.
- The "WIFI" menu can be retrieved in 30 minutes.
- The menu can only be used with the following coupled SI-BUS devices:
 - SIEGENIA access control system
 - IO module smart

Menu level 1	Menu level 2	Value			
		Function	Menu LED button	Connection to terminal 1	Additional function
		4 (default setting)	Active	Active	–
		5	Active	Active	Single switchover between Day and Night mode is possible
		6	Active	Active	Single switchover from night mode to day mode and back to night mode again is possible
		1	Inactive	Inactive	–
		2	Inactive	Active	–
		3	Active	Inactive	–

Prerequisites

- The status LED lights up green.
- The menu LED button lights up white in daytime mode or blue in night mode.

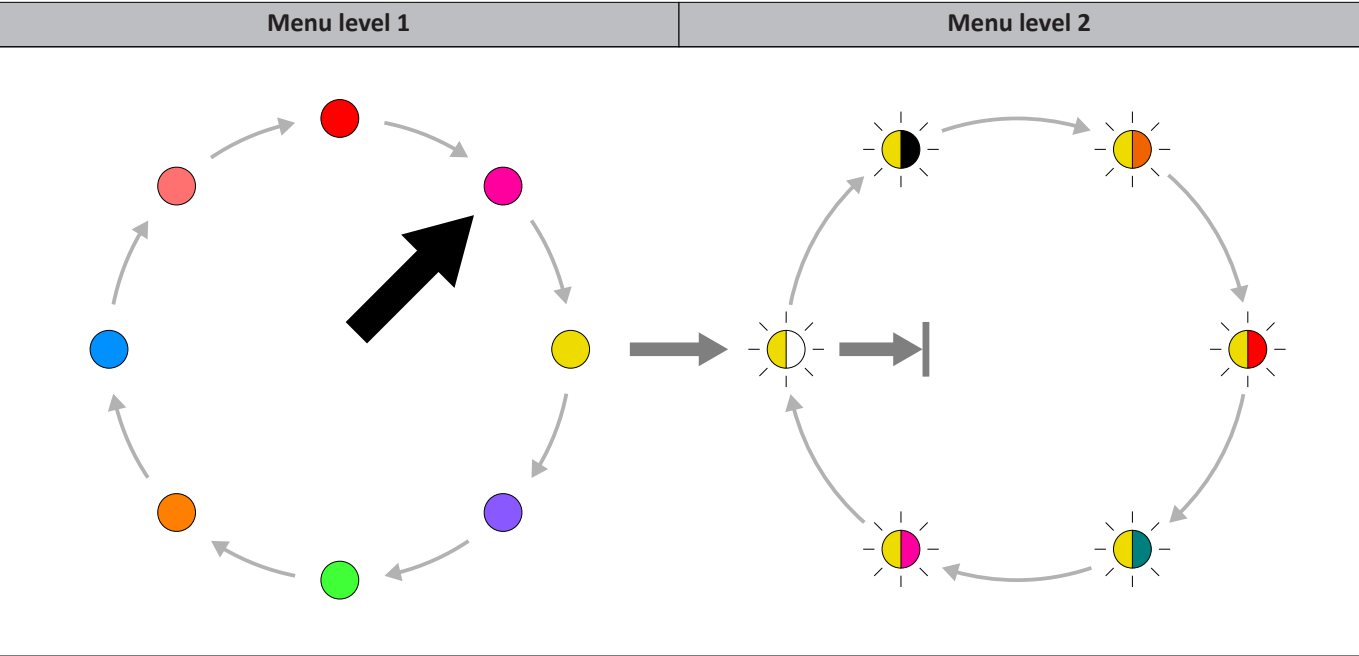
1. Press the menu LED button if no LEDs light up.
2. To change to menu level 1, press and hold down the menu LED button for 8 seconds until it light up magenta and emits an acoustic signal.



3. To adjust the mode of operation of the daytime / night changeover, press the menu LED button until it lights up light green.
4. Press the menu LED button 3x.
5. To change to menu level 2, press and hold down the menu LED button for 3 seconds.
→ In the menu level 2 the adjusted value flashes at first.
6. To select the desired function, press the menu LED button according to the scheme.
7. Hold down the menu LED button for 3 seconds to save the selected function.

5.4.3

Adjustment of status query for the status feedback



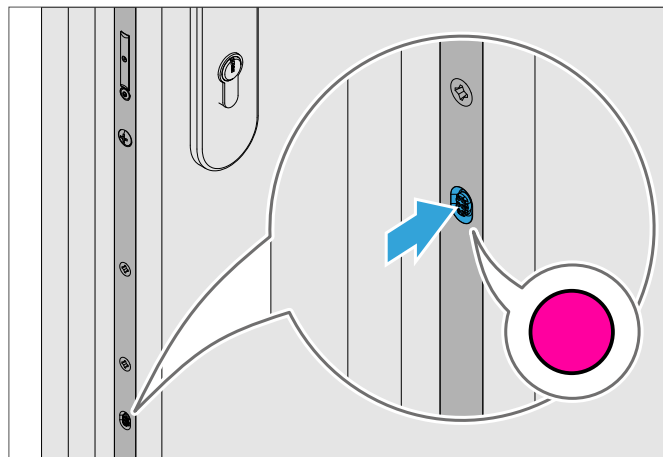
Menu level 1	Menu level 2	value	
			Status request
		A	The door is closed and locked. (default setting)
		B	In day mode: the door is closed. In night mode: the door is closed and locked.
		C	The latch is retracted.
		D	Active error The latch is retracted. The multi-point lock is in the locking process or in the unlocking process. The door is closed and locked. The door is closed and not locked.
		E	The door is released.
		F	No active error

Prerequisites

- The status LED lights up green.
- The menu LED button lights up white in daytime mode or blue in night mode.

1. Press the menu LED button if no LEDs light up.

2. To change to menu level 1, press and hold down the menu LED button for 8 seconds until it light up magenta and emits an acoustic signal.



3. To adjust the status query for status feedback, press the menu LED button 1x until it lights up yellow.

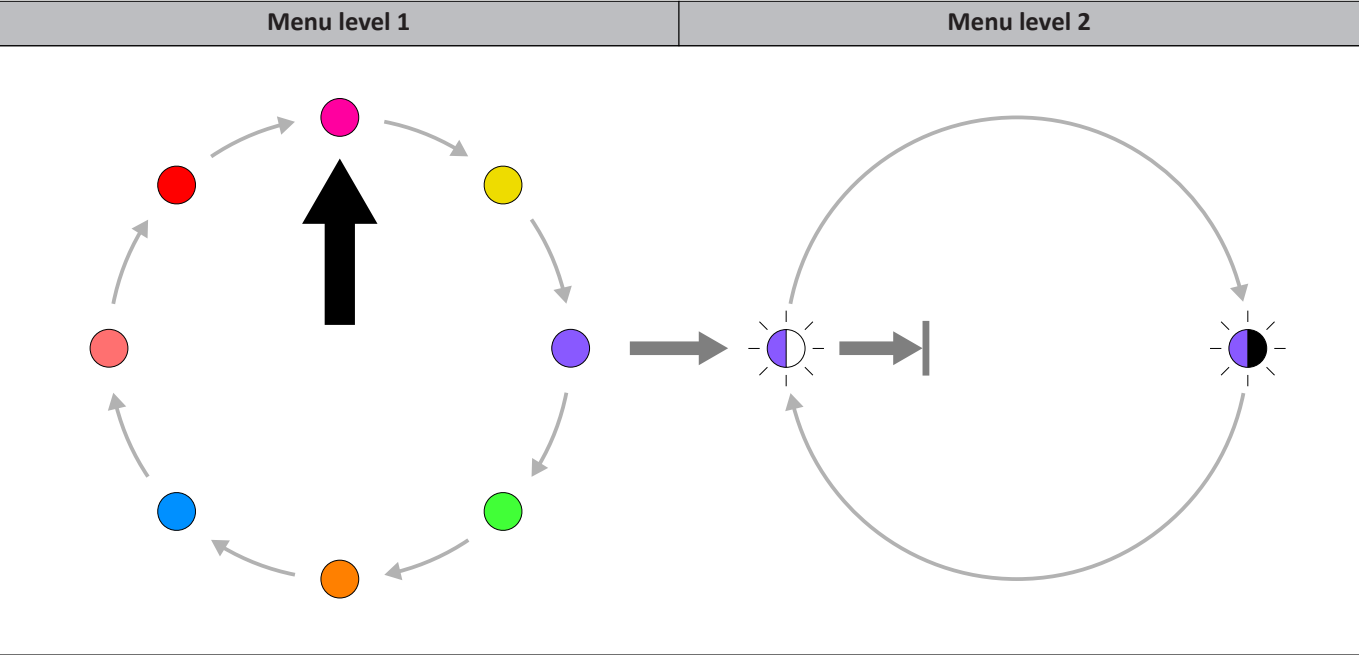
4. To change to menu level 2, press and hold down the menu LED button for 3 seconds.

→ In the menu level 2 the adjusted value flashes at first.

5. To select the desired status query, press the menu LED button according to the scheme.

6. Hold down the menu LED button for 3 seconds to save the selected status query.

5.4.4 Adjustment of contact type



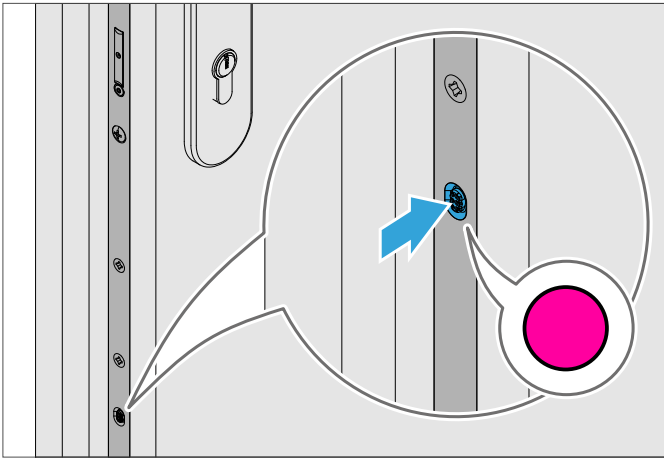
Menu level 1	Menu level 2	value
		Locking bolt (default setting)
		N/C contact

Prerequisites

- The status LED lights up green.
- The menu LED button lights up white in daytime mode or blue in night mode.

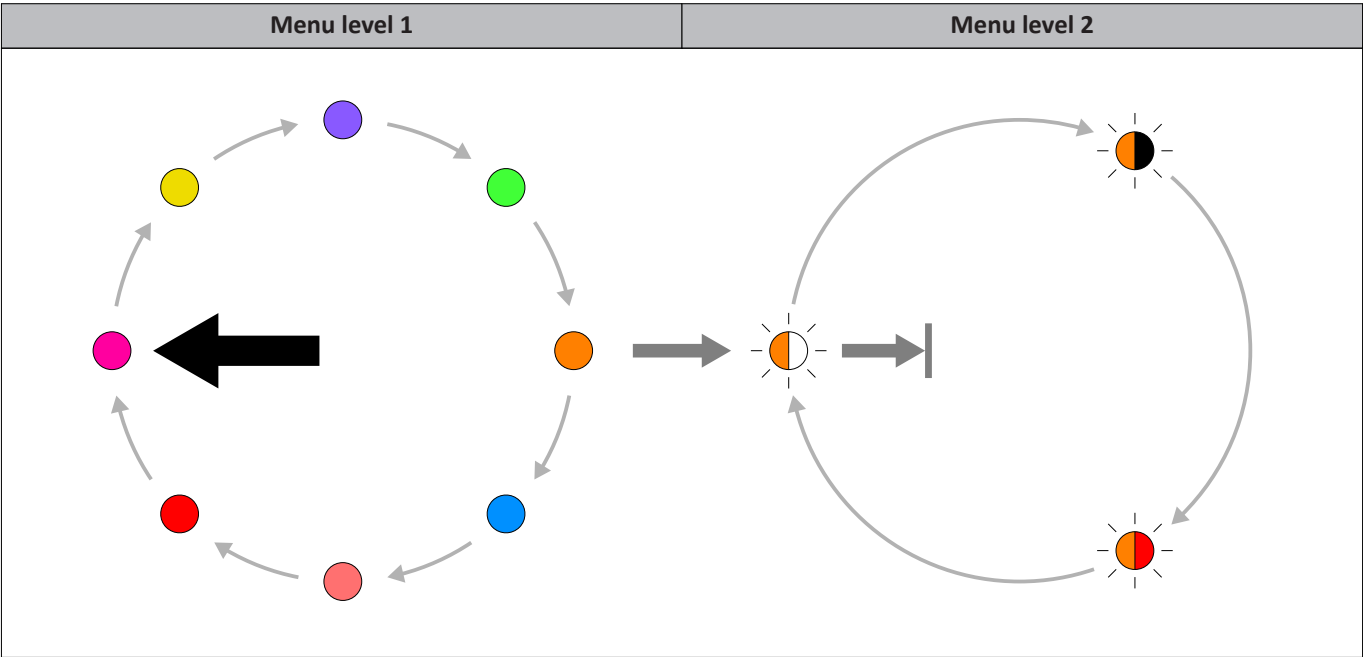
1. Press the menu LED button if no LEDs light up.

2. To change to menu level 1, press and hold down the menu LED button for 8 seconds until it light up magenta and emits an acoustic signal.



3. To adjust the contact type, press the menu LED button 2x until it lights up lilac.
4. To change to menu level 2, press and hold down the menu LED button for 3 seconds.
→ In the menu level 2 the adjusted value flashes at first.
5. To select the desired function, press the menu LED button according to the scheme.
6. Hold down the menu LED button for 3 seconds to save the selected function.

5.4.5 Changing the cylinder operated lock of the latch



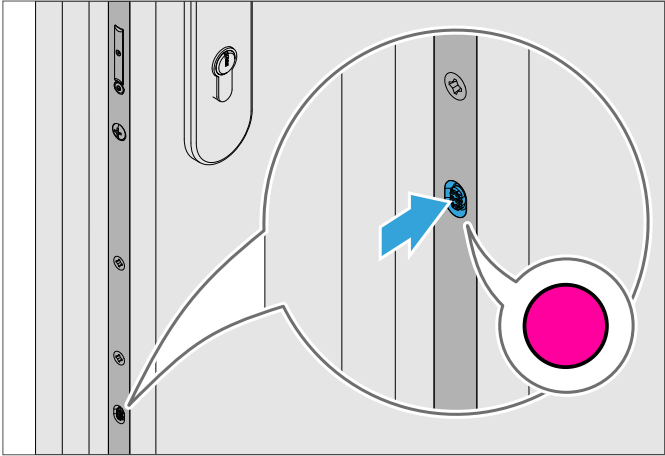
Menu level 1	Menu level 2	Value
		Active cylinder operated lock
		Inactive cylinder operated lock
		Fire protection

Prerequisites

- The status LED lights up green.
- The menu button lights up white in day mode or blue in night mode.

1. Press the LED button if no LEDs light up.

2. To change to menu level 1, press and hold down the menu button for 8 seconds until it light up magenta and emits an acoustic signal.



3. Press the menu button until it lights up orange to change the cylinder operated lock.

4. Press the menu button 4x.

5. To change to menu level 2, press and hold down the menu button for 3 seconds.

→ In the menu level 2 the adjusted value flashes at first.

6. To select the desired function, press the menu button according to the scheme.

Assembly instructions

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7. Hold down the menu button for 3 seconds to save the selected function.

5.5 Installing the SIEGENIA Comfort app

- ◇ Install the SIEGENIA Comfort app and accept all permissions.

Apple App Store



Google Play Store



6 Troubleshooting

6.1 Contact to producer

- ◊ If the following information does not describe the error, then contact the producer:
<https://link.si/td/service001/0324>



6.2 Troubleshooting

Problem	Possible cause	Solution
The lever handle does not return to its original position.	The handle set is not correctly positioned.	1. Loosen the screw connections of the handle set. 2. Fix the handle set according to the producer's instructions.
	The handle spindle is not accurately positioned.	1. Check the milling and drilling dimensions (see page 30). 2. If necessary, rework the routed pockets and holes.
	The product is defective.	• Replace the product.
The key cannot be pulled out.	The cylinder lock is defective.	• Contact the producer of the cylinder lock.
The door is stiff when locking and releasing.	The latch and the deadbolt of the main lock do not run smoothly into the striker plate or into the locking rail.	1. Adjust the frame parts. 2. Carry out the functional test (see page 55).
	The hook bolt and bolt of the auxiliary box do not run smoothly into the striker plate or into the locking rail.	1. Adjust the frame parts. 2. Carry out the functional test (see page 55).
	The routed pockets do not correspond with the specified dimensions.	1. Check the milling dimensions (see page 30). 2. If necessary, rework the routed pockets.
	The product is defective.	• Replace the product.
The door does not lock automatically.	The multi-point lock is in day mode.	• Adjustment of night mode (see page 18).
	The supply voltage to the multi-point lock is interrupted.	• Check the supply voltage.
	The magnetic sensor is defective.	• Replace the product.
	The position of the drive is not calibrated.	1. Carry out the reference run (see page 73). 2. Carry out the functional test (see page 55).
	The drive is defective.	• Replace the product.
	The multi-point lock is defective.	• Replace the product.

Assembly instructions

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Problem	Possible cause	Solution
The door does not unlock automatically.	The supply voltage to the multi-point lock is interrupted.	Check the supply voltage.
	The auto-coupling with the connected SI BUS devices has not functioned.	Couple the connected SI BUS devices (see page 79).
	The magnetic sensor is not working.	- Hold a magnet to the magnetic sensor. - Adjustment of residual airgap (see page 52). - Check the position of the magnet. If necessary, adjust the position of the magnet (see page 33) according to specification. - Teach in the magnetic sensor once again (see page 71). - Carry out the functional test (see page 55).
	The position of the drive is not calibrated.	- Carry out the reference run (see page 73). - Carry out the functional test (see page 55).
	With connected SIEGENIA access control system: the pulse control is deactivated in the SIEGENIA app.	Activate the pulse control in the app.
	With connected SIEGENIA access control system: the pulse duration in the app is set too long ($t > 1s$).	Adjust the pulse duration to $t = 1s$ in the app.
	The drive is defective.	Replace the drive.
	The multi-point lock is defective.	Replace the product.
The drive does not couple itself automatically with the connected SI BUS devices.	The drive is not set to factory settings.	Reset the drive to factory settings (see page 77).
	The software of the drive is not updated.	- For connected SIEGENIA access control system or IO module smart, couple the SI BUS devices manually (see page 79). - Download the up-to-date software via the app. - Contact your service partner when no SIEGENIA access control system or IO module smart is connected.
	The connected SI BUS devices are not set to factory settings.	Reset the SI BUS devices to factory settings.
	The software of the connected SI BUS devices is not updated.	Update the software of the SI BUS devices via the app.

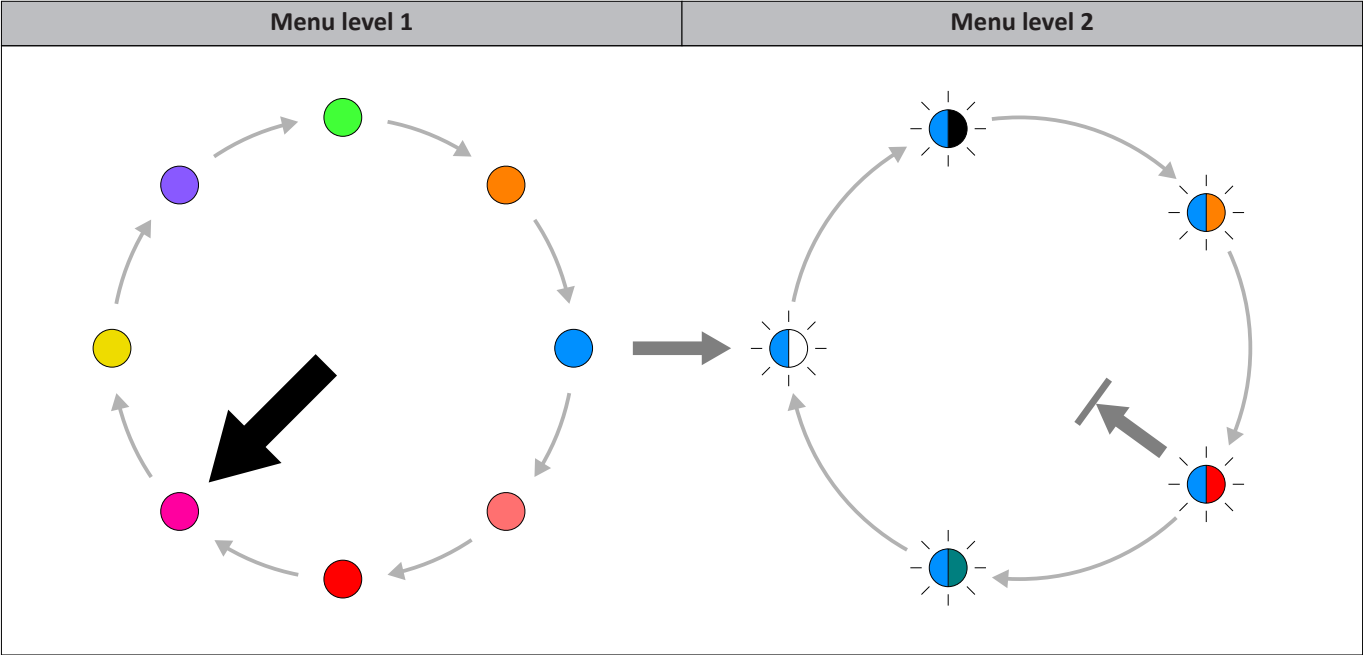
Problem		Possible cause	Solution
An audible signal is emitted in case of automatic locking.		The wrong cylinder lock is installed.	Install a FZG cylinder lock.
		The cylinder lock is defective.	Contact the producer of the cylinder lock.
		The magnetic sensor is not working.	- Open the door and hold a magnet to the magnetic sensor. - Check whether it moves to the locking position. - Adjustment of residual airgap (see page 52). - Check the position of the magnet. If necessary, adjust the position of the magnet (see page 33) according to specification. - Teach in the magnetic sensor once again (see page 71). - Carry out the functional test (see page 55).
		The supply voltage or the operating voltage is defective.	- Check the ambient temperature. - Check the supply voltage.
		The locking elements do not extend.	- Too many consumers are connected to the supply voltage. Check the technical specifications. - Check all milling and drilling dimensions (see page 30). If necessary, rework the milling and holes. - Check the door hinges. If necessary, adjust the door hinges. - Carry out the commissioning (see page 52) again.
An audible signal is emitted in case of automatic release.		The wrong cylinder lock is installed.	Install a FZG cylinder lock.
		The cylinder lock is defective.	Contact the producer of the cylinder lock.
		The locking elements do not retract.	- Release and open the door manually. - Check all milling and drilling dimensions (see page 30). If necessary: rework the milling and holes. - Check the door hinges. If necessary, adjust the door hinges. - Carry out the commissioning (see page 52) again.
		The supply voltage is defective.	Check the supply voltage.
		The operating voltage is exceeded.	Check the ambient temperature (see page 42).
		There is an error in the control unit.	- De-energise the drive briefly. - Start the Reference run (see page 73). - Contact your service partner if necessary.

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

Problem		Possible cause	Solution
		The wrong cylinder lock is installed.	Install a FZG cylinder lock.
		The cylinder lock is defective.	Contact the producer of the cylinder lock.
		The locking elements do not retract.	- Release and open the door manually. - Check all milling and drilling dimensions (see page 30). If necessary: rework the milling and holes. - Check the door hinges. If necessary, adjust the door hinges. - Carry out the commissioning (see page 52) again.
		The multi-point lock does not work.	Contact your service partner.
		The connecting clamp is not correctly plugged into the drive bushing.	Check the plug connection.
		The magnetic sensor is not working.	- Hold a magnet to the magnetic sensor. - Check whether the drive moves to the locking position. - Adjustment of residual airgap (see page 52). - Check the position of the magnet. If necessary, adjust the position of the magnet (see page 33) according to specification. - Teach in the magnetic sensor once again (see page 71).
		The locking elements are extended when the door is open.	Retract the locking elements prior to closing the door.

6.3 Teach in magnetic sensor



Menu level 1	Menu level 2	value
		Restart the device
		Default setting
		Software version
		Teach in magnetic sensor
		Reference run

Prerequisites

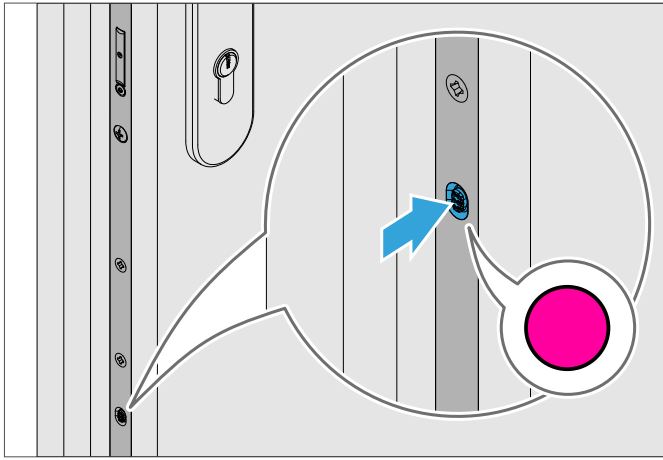
- The status LED lights up green.
- The menu LED button lights up white in daytime mode or blue in night mode.

1. Press the menu LED button if no LEDs light up.

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

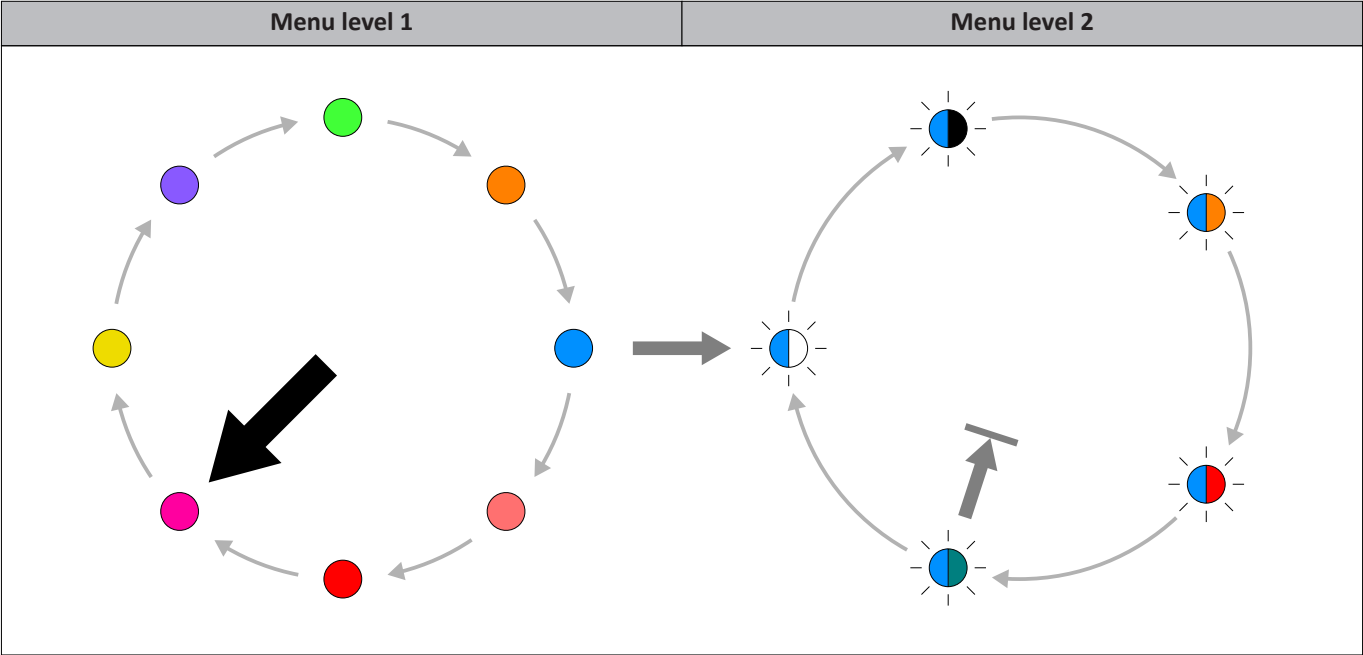
2. To change to menu level 1, press and hold down the menu LED button for 8 seconds until it lights up magenta and emits an acoustic signal.



3. Press the menu LED button until it lights up light blue to proceed to the "Device services" menu.

4. Press the menu LED button 5x.
5. To change to menu level 2, press and hold down the menu LED button for 3 seconds.
6. Press the menu LED button 3x until it flashes light blue and red to teach in the magnetic sensor.
7. Hold down the menu LED button for 3 seconds.
- An acoustic signal will sound for approx. 4 s (alternating tone). A continuous tone will follow.
8. Close the door.
- The magnetic sensor is taught in. This process takes some seconds to complete. After a successful teach in the locking elements move to the locking position and an acoustic signal is emitted.

6.4 Start reference run



Menu level 1	Menu level 2	value
		Restart the device
		Default setting
		Software version
		Teach in magnetic sensor
		Reference run

Prerequisites

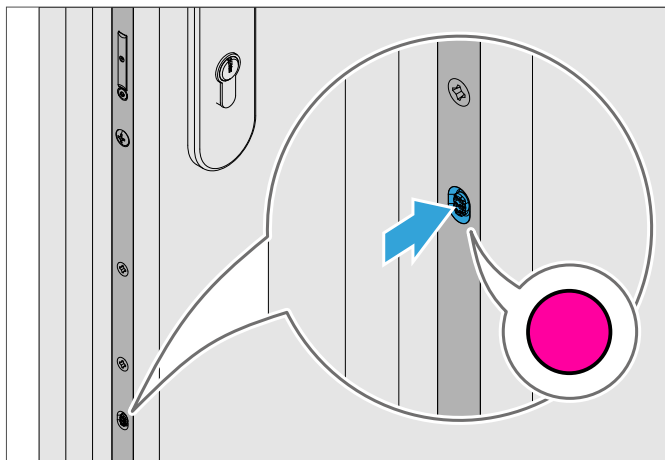
- The status LED lights up green.
- The menu LED button lights up white in daytime mode or blue in night mode.

1. Press the menu LED button if no LEDs light up.

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

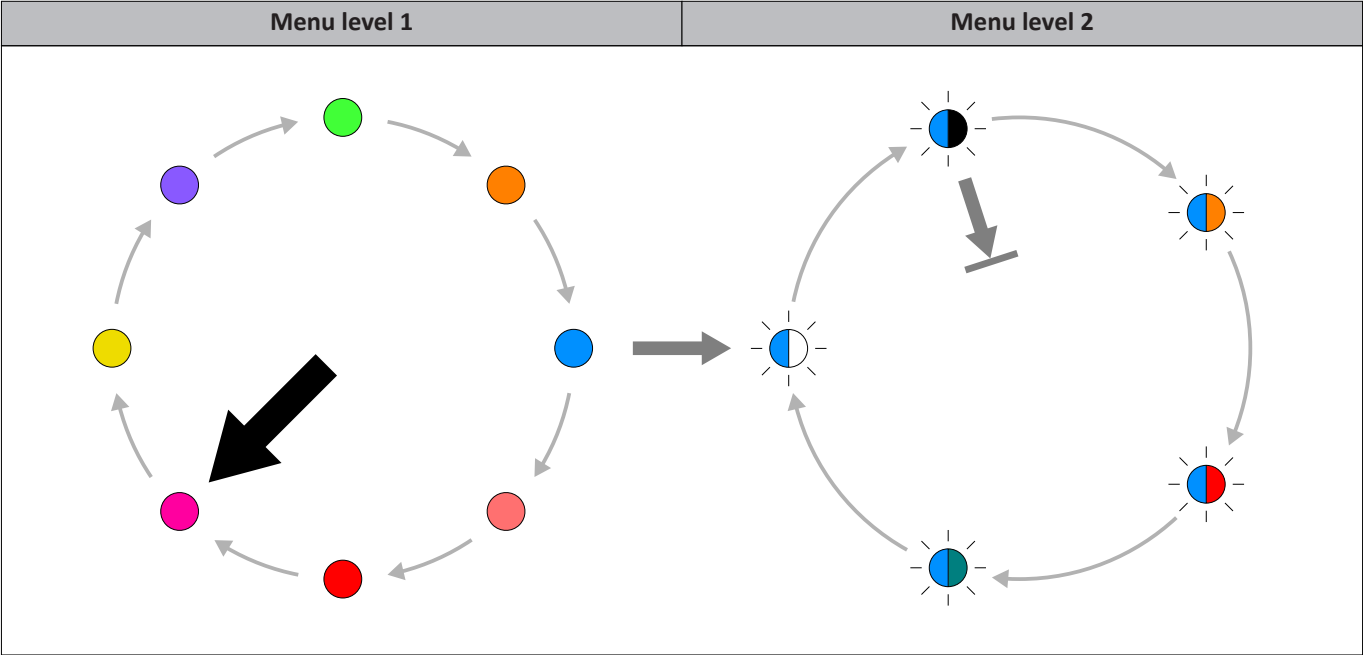
2. To change to menu level 1, press and hold down the menu LED button for 8 seconds until it light up magenta and emits an acoustic signal.



3. Press the menu LED button until it lights up light blue to proceed to the "Device services" menu.
4. Press the menu LED button 5x.
5. To change to menu level 2, press and hold down the menu LED button for 3 seconds.
6. To start the reference run, press the menu LED button 4x until it flashed light blue and turquoise.
7. Hold down the menu LED button for 3 seconds.
→ The reference run starts. The drive of the electromechanical multi-point lock moves to the end position.

6.5

Reset to default setting



Menu level 1	Menu level 2	value
		Restart the device
		Default setting
		Software version
		Teach in magnetic sensor
		Reference run

Prerequisites

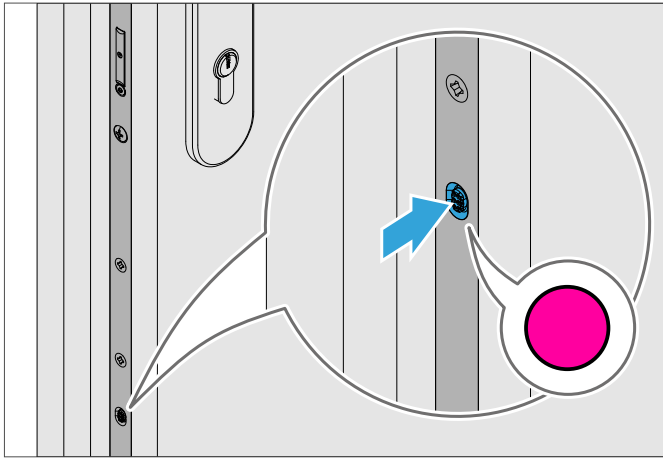
- The status LED lights up green.
- The menu LED button lights up white in daytime mode or blue in night mode.

1. Press the menu LED button if no LEDs light up.

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

2. To change to menu level 1, press and hold down the menu LED button for 8 seconds until it lights up magenta and emits an acoustic signal.

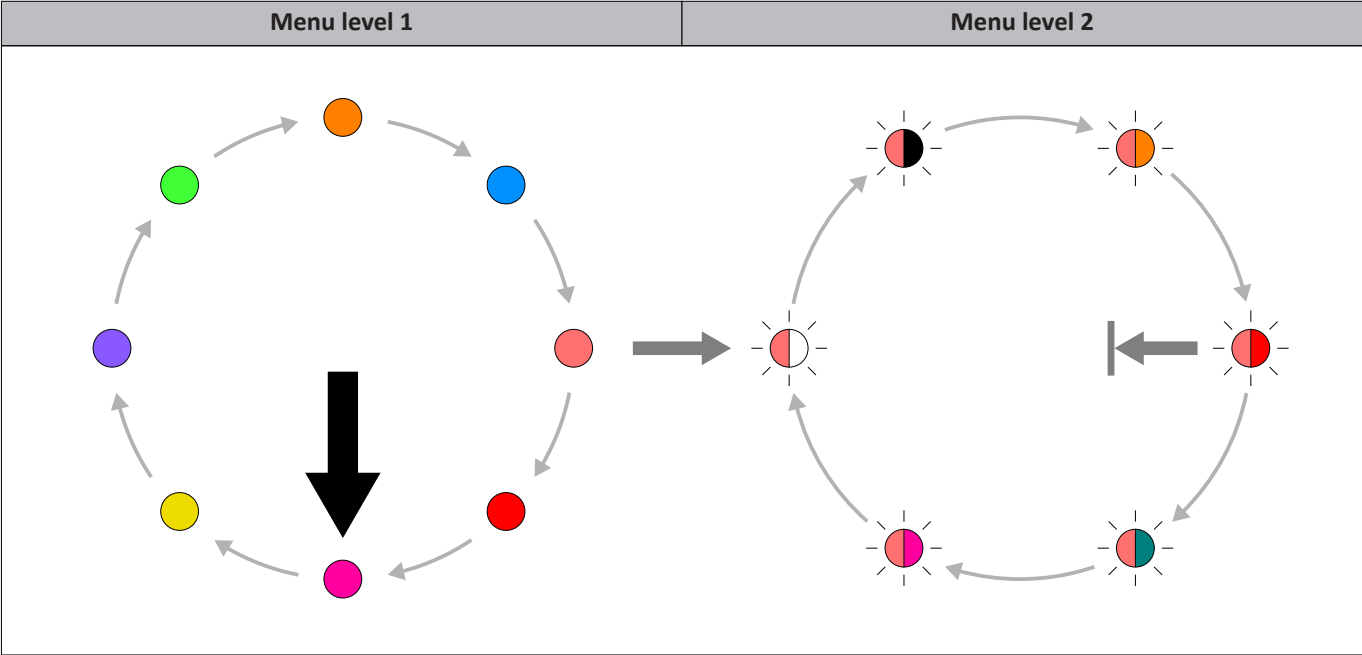


3. Press the menu LED button until it lights up light blue to proceed to the "Device services" menu.

4. Press the menu LED button 5x.
5. To change to menu level 2, press and hold down the menu LED button for 3 seconds.
6. To reset the settings menu to default setting, press the menu LED button 1x until it flashes light blue.
7. Hold down the menu LED button for 3 seconds.
- Volume of the buzzer: 50 %
 - Status query of the terminal 7: closed and locked door
 - Contact type of the terminal 7: locking bolt
 - Mode of operation: active menu LED button and active terminal 1
 - Cylinder operated lock of the latch: active

6.6

Reset to factory settings



Menu level 1	Menu level 2	value
		Couple devices
		Separate devices
		Unlock ACS (can only be used with coupled SI-BUS and WIFI-capable device)
		Default settings
		WIFI on (Only useable with coupled SI-BUS and WIFI-capable device)
		WIFI off (Only useable with coupled SI-BUS and WIFI-capable device)

Prerequisites

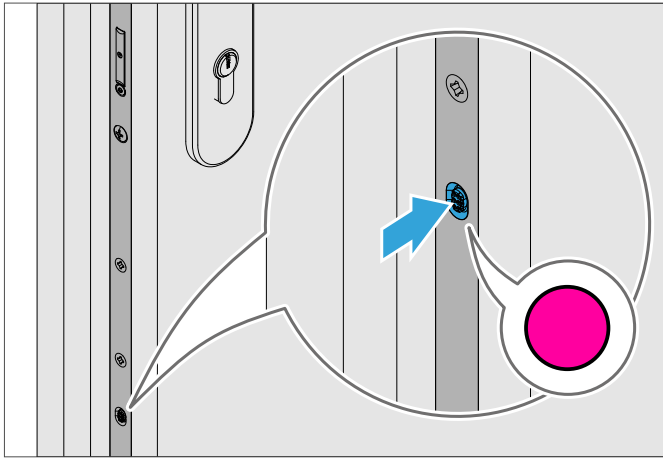
- The status LED lights up green.
- The menu LED button lights up white in daytime mode or blue in night mode.

1. Press the menu LED button if no LEDs light up.

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

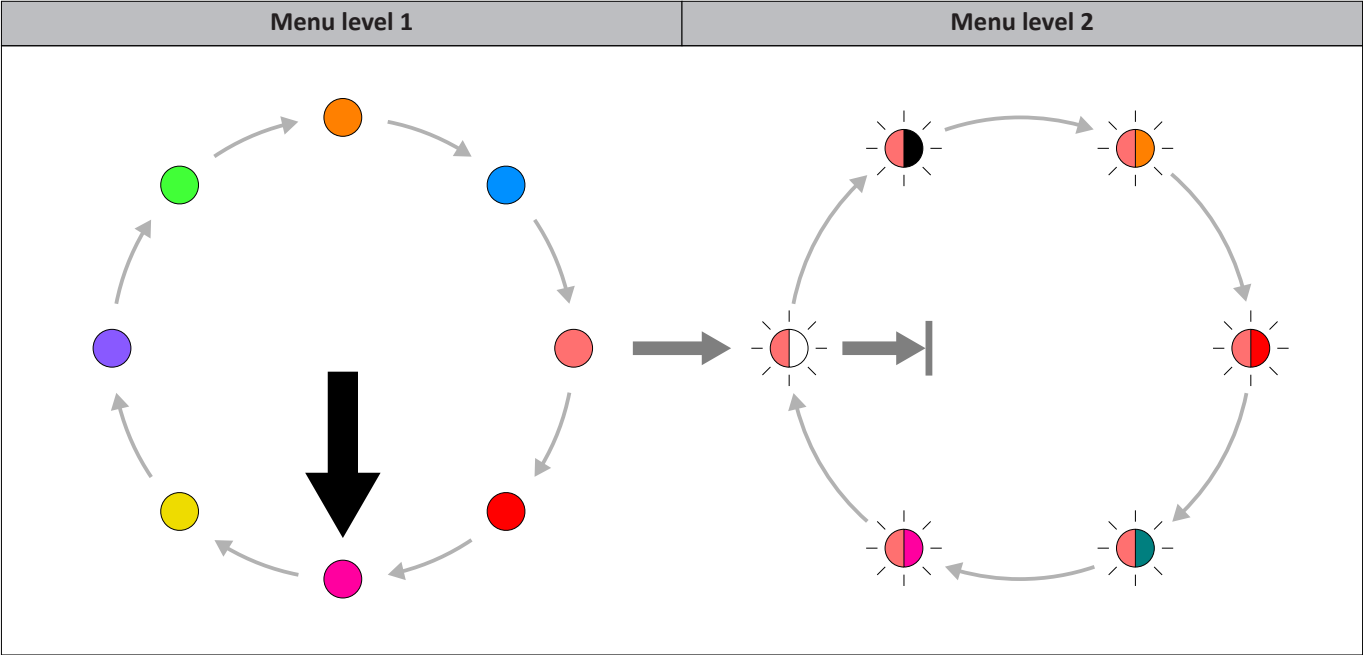
2. To change to menu level 1, press and hold down the menu LED button for 8 seconds until it light up magenta and emits an acoustic signal.



3. Press the menu LED button until it lights up light red to enter the "System services" menu.
4. Press the menu LED button 6x.

5. To change to menu level 2, press and hold down the menu LED button for 3 seconds.
6. To reset the drive to factory, press the menu LED button 3x until it flashes light red and red.
7. Hold down the menu LED button for 3 seconds.
- All device couplings are reset.
 - The settings in the user administration are reset.
 - All devices and system names are reset.
 - The WIFI configuration is reset.
 - The log entries are deleted.
 - The keyless settings are reset.
 - The menu functions are reset to their default settings.

6.7 Coupling SI BUS devices manually



Menu level 1	Menu level 2	value
		Couple devices
		Separate devices
		Unlock ACS (can only be used with coupled SI-BUS and WIFI-capable device)
		Default settings
		WIFI on (Only useable with coupled SI-BUS and WIFI-capable device)
		WIFI off (Only useable with coupled SI-BUS and WIFI-capable device)

The "System services" menu can be retrieved up to 30 minutes following the system start. When the time has expired, disconnect the device from the supply voltage and reconnect.

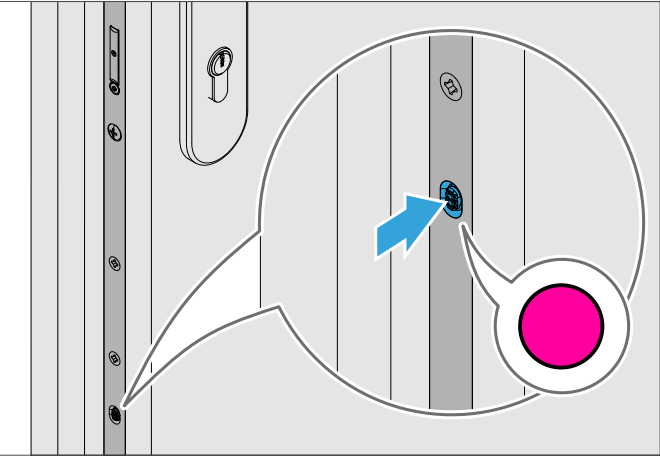
The following digital SI-BUS devices can be coupled:

- SIEGENIA access control system
- IO module/IO module smart
- KNX Gateway

Prerequisites

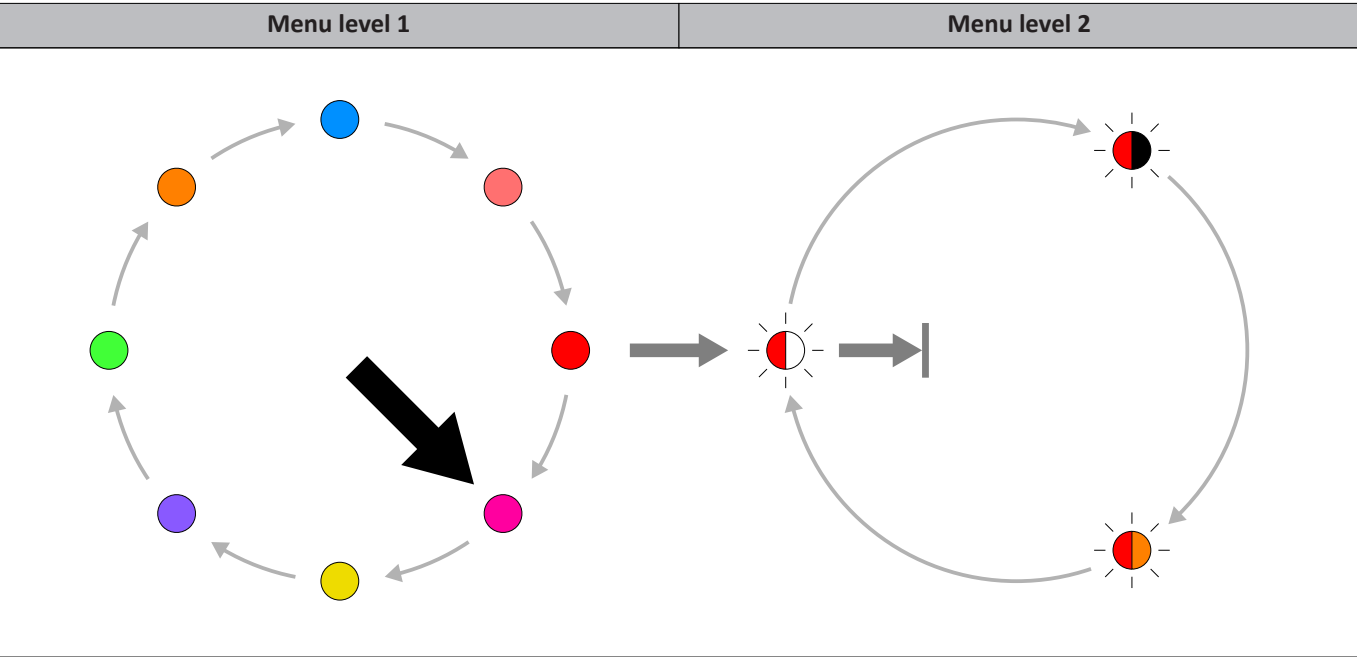
- A SI BUS device is connected to the drive and the auto-coupling has not been carried out. Coupling is not necessary for the use of analogue access control systems from third-party providers.
- The status LED lights up green.
- The menu LED button lights up white in daytime mode or blue in night mode.

1. Press the menu LED button if no LEDs light up.
2. To change to menu level 1, press and hold down the menu LED button for 8 seconds until it light up magenta and emits an acoustic signal.



3. Press the menu LED button until it lights up light red to enter the "System services" menu.
4. Press the menu LED button 6x.
5. To change to menu level 2, press and hold down the menu LED button for 3 seconds until it flashes light red and white.
6. Hold down the menu LED button for 3 seconds.
- The electromechanical multi-point lock couples itself with a connected SI BUS devices.

6.8 Restoration of WIFI connection



Menu level 1	Menu level 2	value
		WLAN Reset (Only useable with coupled SI-BUS and WIFI-capable device)
		WPS mode (Only useable with coupled SI-BUS and WIFI-capable device)
		Info mode (Only useable with coupled SI-BUS and WIFI-capable device)

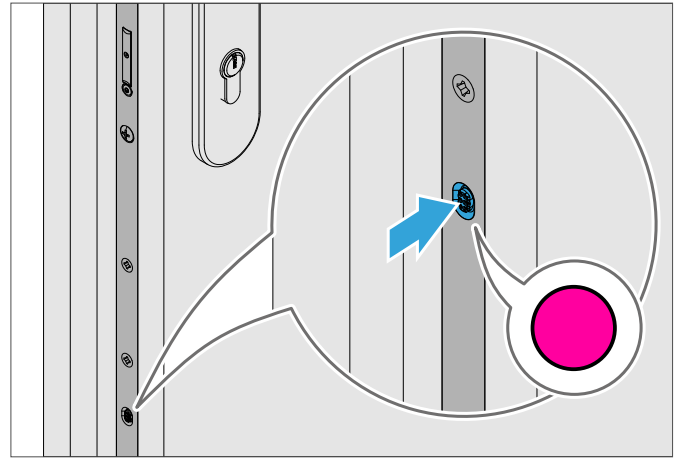
The "System services" menu can be retrieved up to 30 minutes following the system start. When the time has expired, disconnect the device from the supply voltage and reconnect.

Prerequisites

- The electromechanical multi-point lock is coupled with a WLAN-capable device.
You can find information on coupling in chapter Coupling SI BUS devices (see page 79).
- The status LED lights up green.
- The menu LED button lights up white in daytime mode or blue in night mode.

1. Press the menu LED button if no LEDs light up.

2. To change to menu level 1, press and hold down the menu LED button for 8 seconds until it light up magenta and emits an acoustic signal.



3. Press the menu LED button until it lights up red to enter the "WLAN" menu.

4. Press the menu LED button 7x.

5. To change to menu level 2, press and hold down the menu LED button for 3 seconds until it flashes red and white.

6. Hold down the menu LED button for 3 seconds.

→ *The prerequisite is created to connect the electromechanical multi-point lock to the home network.*

7. Download the SIEGENIA Comfort app.

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

7 Compliance

7.1 EU Declaration of incorporation

We, the producer, hereby declare that our product complies with the following directives.

Producer	Product	
KFV Karl Fliether GmbH & Co. KG Siemensstraße 10 42551 Velbert	Device type:	Type designation:
	electromechanical drive for multi-point locks	GENIUS 2.2 A / B / PANIC

GUIDELINE	Harmonised standards	
Machinery Directive	2006/42/EC	EN ISO 12100:2010

The incomplete machine may only be commissioned if it has been ascertained that the machine into which it is to be installed conforms to the specifications of the Machinery Directive. The specific technical documentation has been compiled in accordance with Appendix VII Part B of the EC Machinery Directive 2006/42/EC. We undertake to provide such documentation to the regulatory authorities in electronic format within a reasonable time upon a well-founded request. The aforementioned technical documentation can be obtained from the producer.



Velbert, 2019-08-28 Uwe Ziewers
(Site Manager)

7.2 CE marking according to DIN EN 179

7.2.1 CE-K001-01b

 0432 DIN EN 179:2008 Emergency exit lock Type 3 7 6 0 1 3 4 2 A B/D		
a) MFP EP/EE 930/950/960/330/350/360 b) GEP EP/EE 930/950/960		
Doors in escape routes (1-sash)		
KFV Karl Fliether GmbH & Co. KG Siemensstraße 10 42551 Velbert Germany		
24		
0432-CPR-00048-01 DOP-K001-01		
Sections with requirements in DIN EN 179:2008		
Capability for release 4.2.1	4.1.2 Release functions	≤ 1 s
	4.1.3 Actuation for release	passed
	4.1.4 Design of the lever handle	passed
	4.1.8 Protruding edges and corners	≥ 0.5 mm
	4.1.12 Installation of the lever handle	X ≥ 120 mm Y ≤ 150 mm
	4.1.13 Protrusion of the operating element	W ≤ 100 mm (class 2)
	4.1.15 Free end of the lever handle	U ≥ 40 mm W ≤ 100 mm α ≤ 30°
	4.1.16 Actuating distance of the lever handle	Test block
	4.1.18 Test rod	passed
	4.1.20 Achievable space	20 mm
	4.1.21 Free movement of the door	passed
	4.1.22 Upward running drive shoot bolt	passed
	4.1.27 Dimensions and mass of the door (door sash)	≤ 3000 mm (height) ≤ 1320 mm (width) ≤ 200 kg (class 6)
	4.1.28 Outer access device	passed
	4.2.2 Release forces	≤ 70 N
	4.2.7 Safety requirements	≤ 3000 N (class 4)

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.26 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 70 N
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
Durability in terms of capability for independent closing C in case of aging and quality loss 4.2.1	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N

7.2.2 CE-K001-02



0432
DIN EN 179:2008
Emergency exit lock
Type 3 7 6 0 1 3 4 2 A B/D

a) MFP EP/EE 963/363
b) GEP EP/EE 963

Doors in escape routes (1-sash)

KFV Karl Fliether GmbH & Co. KG
Siemensstraße 10
42551 Velbert
Germany

24

0432-CPR-00048-01
DOP-K001-02

Sections with requirements in DIN EN 179:2008

Capability for release 4.2.1	4.1.2 Release functions	≤ 1 s
	4.1.3 Actuation for release	passed
	4.1.4 Design of the lever handle	passed
	4.1.8 Protruding edges and corners	≥ 0.5 mm
	4.1.12 Installation of the lever handle	$X \geq 120$ mm $Y \leq 150$ mm
	4.1.13 Protrusion of the operating element	$W \leq 100$ mm (class 2)
	4.1.15 Free end of the lever handle	$U \geq 40$ mm $W \leq 100$ mm $\alpha \leq 30^\circ$
	4.1.16 Actuating distance of the lever handle	Test block
	4.1.18 Test rod	passed
	4.1.20 Achievable space	20 mm
	4.1.21 Free movement of the door	passed
	4.1.22 Upward running drive shoot bolt	passed
	4.1.27 Dimensions and mass of the door (door sash)	≤ 2520 mm (height) ≤ 1320 mm (width) ≤ 200 kg (class 6)
	4.1.28 Outer access device	passed
	4.2.2 Release forces	≤ 70 N
	4.2.7 Safety requirements	≤ 3000 N (class 4)

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.26 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 70 N
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
Durability in terms of capability for independent closing C in case of aging and quality loss 4.2.1	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N

7.2.3 CE-K002-01b

 0432 DIN EN 179:2008 Emergency exit lock Type 3 7 6 B 1 3 4 2 A B/D		
a) MFP EP/EE 930/950/960/330/350/360 FS b) GEP EP/EE 930/950/960 FS		
Doors in escape routes (1-sash)		
KfV Karl Fliether GmbH & Co. KG Siemensstraße 10 42551 Velbert Germany		
24		
0432-CPR-00048-01 DOP-K002-01		
Sections with requirements in DIN EN 179:2008		
Capability for release 4.2.1	4.1.2 Release functions	≤ 1 s
	4.1.3 Actuation for release	passed
	4.1.4 Design of the lever handle	passed
	4.1.8 Protruding edges and corners	≥ 0.5 mm
	4.1.12 Installation of the lever handle	X ≥ 120 mm Y ≤ 150 mm
	4.1.13 Protrusion of the operating element	W ≤ 100 mm (class 2)
	4.1.15 Free end of the lever handle	U ≥ 40 mm W ≤ 100 mm α ≤ 30°
	4.1.16 Actuating distance of the lever handle	Test block
	4.1.18 Test rod	passed
	4.1.20 Achievable space	20 mm
	4.1.21 Free movement of the door	passed
	4.1.22 Upward running drive shoot bolt	passed
	4.1.27 Dimensions and mass of the door (door sash)	≤ 3000 mm (height) ≤ 1320 mm (width) ≤ 200 kg (class 6)
	4.1.28 Outer access device	passed
	4.2.2 Release forces	≤ 70 N
	4.2.7 Safety requirements	≤ 3000 N (class 4)
Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.26 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 70 N

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
Durability in terms of capability for independent closing C in case of aging and quality loss 4.2.1	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N
Fire resistance E (room enclosure) and I (thermal insulation)	4.1.10 Suitability of the emergency exit locks for the use of fire-rated doors	suitable (class B)

7.2.4 CE-K002-02



0432
DIN EN 179:2008
Emergency exit lock
Type 3 7 6 B 1 3 4 2 A B/D

a) MFP EP/EE 963/363 FS
b) GEP EP/EE 963 FS

Doors in escape routes (1-sash)

KFV Karl Fliether GmbH & Co. KG
Siemensstraße 10
42551 Velbert
Germany

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0432-CPR-00048-01
DOP-K002-02

Sections with requirements in DIN EN 179:2008

Capability for release 4.2.1	4.1.2 Release functions	≤ 1 s
	4.1.3 Actuation for release	passed
	4.1.4 Design of the lever handle	passed
	4.1.8 Protruding edges and corners	≥ 0.5 mm
	4.1.12 Installation of the lever handle	$X \geq 120$ mm $Y \leq 150$ mm
	4.1.13 Protrusion of the operating element	$W \leq 100$ mm (class 2)
	4.1.15 Free end of the lever handle	$U \geq 40$ mm $W \leq 100$ mm $\alpha \leq 30^\circ$
	4.1.16 Actuating distance of the lever handle	Test block
	4.1.18 Test rod	passed
	4.1.20 Achievable space	20 mm
	4.1.21 Free movement of the door	passed
	4.1.22 Upward running drive shoot bolt	passed
	4.1.27 Dimensions and mass of the door (door sash)	≤ 2520 mm (height) ≤ 1320 mm (width) ≤ 200 kg (class 6)
	4.1.28 Outer access device	passed
	4.2.2 Release forces	≤ 70 N
	4.2.7 Safety requirements	≤ 3000 N (class 4)
Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to $+60^\circ$ C
	4.1.26 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	$\leq 200\,000$ cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 70 N

Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
Durability in terms of capability for independent closing C in case of aging and quality loss 4.2.1	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N
Fire resistance E (room enclosure) and I (thermal insulation)	4.1.10 Suitability of the emergency exit locks for the use of fire-rated doors	suitable (class B)

7.2.5 CE-K003-01b



0432
DIN EN 179:2008
Emergency exit lock
Type 3 7 6 0 1 3 4 2 A A

a) MFP EP/EE 930/950/960/330/350/360 2F
b) GEP EP/EE 930/950/960 2F

Doors in escape routes (1-sash and 2-sash)

KFV Karl Fliether GmbH & Co. KG
Siemensstraße 10
42551 Velbert
Germany

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0432-CPR-00048-01
DOP-K003-01

Sections with requirements in DIN EN 179:2008

Capability for release 4.2.1	4.1.2 Release functions	$\leq 1 \text{ s}$
	4.1.3 Actuation for release	passed
	4.1.4 Design of the lever handle	passed
	4.1.6 Double sash door	passed
	4.1.8 Protruding edges and corners	$\geq 0.5 \text{ mm}$
	4.1.12 Installation of the lever handle	$X \geq 120 \text{ mm}$ $Y \leq 150 \text{ mm}$
	4.1.13 Protrusion of the operating element	$W \leq 100 \text{ mm}$ (class 2)
	4.1.15 Free end of the lever handle	$U \geq 40 \text{ mm}$ $W \leq 100 \text{ mm}$ $\alpha \leq 30^\circ$
	4.1.16 Actuating distance of the lever handle	Test block
	4.1.18 Test rod	passed
	4.1.20 Achievable space	20 mm
	4.1.21 Free movement of the door	passed
	4.1.22 Upward running drive shoot bolt	passed
	4.1.27 Dimensions and mass of the door (door sash)	$\leq 3000 \text{ mm}$ (height) $\leq 1320 \text{ mm}$ (width) $\leq 200 \text{ kg}$ (class 6)
	4.1.28 Outer access device	passed
	4.2.2 Release forces	$\leq 70 \text{ N}$
	4.2.7 Safety requirements	$\leq 3000 \text{ N}$ (class 4)

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.26 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 70 N
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
Durability in terms of capability for independent closing C in case of aging and quality loss 4.2.1	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N

7.2.6 CE-K003-02a



0432
DIN EN 179:2008
Emergency exit lock
Type 3 7 6 0 1 3 4 2 A A

a) MFP EP/EE 963/363 2F
b) GEP EP/EE 963 2F

Doors in escape routes (1-sash and 2-sash)

KFV Karl Fliether GmbH & Co. KG
Siemensstraße 10
42551 Velbert
Germany

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0432-CPR-00048-01
DOP-K003-02

Sections with requirements in DIN EN 179:2008

Capability for release 4.2.1	4.1.2 Release functions	$\leq 1 \text{ s}$
	4.1.3 Actuation for release	passed
	4.1.4 Design of the lever handle	passed
	4.1.6 Double sash door	passed
	4.1.8 Protruding edges and corners	$\geq 0.5 \text{ mm}$
	4.1.12 Installation of the lever handle	$X \geq 120 \text{ mm}$ $Y \leq 150 \text{ mm}$
	4.1.13 Protrusion of the operating element	$W \leq 100 \text{ mm}$ (class 2)
	4.1.15 Free end of the lever handle	$U \geq 40 \text{ mm}$ $W \leq 100 \text{ mm}$ $\alpha \leq 30^\circ$
	4.1.16 Actuating distance of the lever handle	Test block
	4.1.18 Test rod	passed
	4.1.20 Achievable space	20 mm
	4.1.21 Free movement of the door	passed
	4.1.22 Upward running drive shoot bolt	passed
	4.1.27 Dimensions and mass of the door (door sash)	$\leq 2520 \text{ mm}$ (height) $\leq 1320 \text{ mm}$ (width) $\leq 200 \text{ kg}$ (class 6)
	4.1.28 Outer access device	passed
	4.2.2 Release forces	$\leq 70 \text{ N}$
	4.2.7 Safety requirements	$\leq 3000 \text{ N}$ (class 4)

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.26 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 70 N
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
Durability in terms of capability for independent closing C in case of aging and quality loss 4.2.1	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N

7.2.7 CE-K004-01b



0432
DIN EN 179:2008
Emergency exit lock
Type 3 7 6 B 1 3 4 2 A A

a) MFP EP/EE 930/950/960/330/350/360 FS 2F
b) GEP EP/EE 930/950/960 FS 2F

Doors in escape routes (1-sash and 2-sash)

KFV Karl Fliether GmbH & Co. KG
Siemensstraße 10
42551 Velbert
Germany

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0432-CPR-00048-01
DOP-K004-01

Sections with requirements in DIN EN 179:2008

Capability for release 4.2.1	4.1.2 Release functions	$\leq 1 \text{ s}$
	4.1.3 Actuation for release	passed
	4.1.4 Design of the lever handle	passed
	4.1.6 Double sash door	passed
	4.1.8 Protruding edges and corners	$\geq 0.5 \text{ mm}$
	4.1.12 Installation of the lever handle	$X \geq 120 \text{ mm}$ $Y \leq 150 \text{ mm}$
	4.1.13 Protrusion of the operating element	$W \leq 100 \text{ mm}$ (class 2)
	4.1.15 Free end of the lever handle	$U \geq 40 \text{ mm}$ $W \leq 100 \text{ mm}$ $\alpha \leq 30^\circ$
	4.1.16 Actuating distance of the lever handle	Test block
	4.1.18 Test rod	passed
	4.1.20 Achievable space	20 mm
	4.1.21 Free movement of the door	passed
	4.1.22 Upward running drive shoot bolt	passed
	4.1.27 Dimensions and mass of the door (door sash)	$\leq 3000 \text{ mm}$ (height) $\leq 1320 \text{ mm}$ (width) $\leq 200 \text{ kg}$ (class 6)
	4.1.28 Outer access device	passed
	4.2.2 Release forces	$\leq 70 \text{ N}$
	4.2.7 Safety requirements	$\leq 3000 \text{ N}$ (class 4)

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.26 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 70 N
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
Durability in terms of capability for independent closing C in case of aging and quality loss 4.2.1	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N
Fire resistance E (room enclosure) and I (thermal insulation)	4.1.10 Suitability of the emergency exit locks for the use of fire-rated doors	suitable (class B)

7.2.8 CE-K004-02a



0432
DIN EN 179:2008
Emergency exit lock
Type 3 7 6 B 1 3 4 2 A A

a) MFP EP/EE 963/363 FS 2F
b) GEP EP/EE 963 FS 2F

Doors in escape routes (1-sash and 2-sash)

KFV Karl Fliether GmbH & Co. KG
Siemensstraße 10
42551 Velbert
Germany

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0432-CPR-00048-01
DOP-K004-02

Sections with requirements in DIN EN 179:2008

Capability for release 4.2.1	4.1.2 Release functions	$\leq 1 \text{ s}$
	4.1.3 Actuation for release	passed
	4.1.4 Design of the lever handle	passed
	4.1.6 Double sash door	passed
	4.1.8 Protruding edges and corners	$\geq 0.5 \text{ mm}$
	4.1.12 Installation of the lever handle	$X \geq 120 \text{ mm}$ $Y \leq 150 \text{ mm}$
	4.1.13 Protrusion of the operating element	$W \leq 100 \text{ mm}$ (class 2)
	4.1.15 Free end of the lever handle	$U \geq 40 \text{ mm}$ $W \leq 100 \text{ mm}$ $\alpha \leq 30^\circ$
	4.1.16 Actuating distance of the lever handle	Test block
	4.1.18 Test rod	passed
	4.1.20 Achievable space	20 mm
	4.1.21 Free movement of the door	passed
	4.1.22 Upward running drive shoot bolt	passed
	4.1.27 Dimensions and mass of the door (door sash)	$\leq 2520 \text{ mm}$ (height) $\leq 1320 \text{ mm}$ (width) $\leq 200 \text{ kg}$ (class 6)
	4.1.28 Outer access device	passed
	4.2.2 Release forces	$\leq 70 \text{ N}$
	4.2.7 Safety requirements	$\leq 3000 \text{ N}$ (class 4)

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.26 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 70 N
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
Durability in terms of capability for independent closing C in case of aging and quality loss 4.2.1	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N
Fire resistance E (room enclosure) and I (thermal insulation)	4.1.10 Suitability of the emergency exit locks for the use of fire-rated doors	suitable (class B)

7.3 CE marking according to DIN EN 1125

7.3.1 CE-K005-01b

 0432 DIN EN 1125:2008 Emergency exit lock Type 3 7 6 0 1 3 2 1 A B		
a) MFP EP/PE 930/950/960/330/350/360 b) GEP EP/PE 930/950/960		
Doors in escape routes (1-sash)		
KfV Karl Fliether GmbH & Co. KG Siemensstraße 10 42551 Velbert Germany		
24		
0432-CPR-00048-02 DOP-K005-01		
Sections with requirements in DIN EN 1125:2008		
Capability for release 4.2.1	4.1.2 Release functions	≤ 1 s
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	≤ 0.5 mm
	4.1.9 Installation of the actuating bar	Z ≤ 150 mm
	4.1.10 Length of the actuating bar	≥ 60 %
	4.1.11 Protrusion of the actuating bar	W ≤ 150 mm (class 1)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	V ≤ 18 mm
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	R ≤ 25 mm
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	≤ 3000 mm (height) ≤ 1320 mm (width) ≤ 200 kg (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	≤ 80 N ≤ 220 N under pressure
	4.2.7 Safety requirements	≤ 1000 N (class 2)

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N

7.3.2 CE-K005-02b

 0432 DIN EN 1125:2008 Emergency exit lock Type 3 7 6 0 1 3 2 2 A B		
a) MFP EP/PE 930/950/960/330/350/360 b) GEP EP/PE 930/950/960		
Doors in escape routes (1-sash)		
KfV Karl Fliether GmbH & Co. KG Siemensstraße 10 42551 Velbert Germany		
24		
0432-CPR-00048-02 DOP-K005-02		
Sections with requirements in DIN EN 1125:2008		
Capability for release 4.2.1	4.1.2 Release functions	≤ 1 s
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	≤ 0.5 mm
	4.1.9 Installation of the actuating bar	Z ≤ 150 mm
	4.1.10 Length of the actuating bar	≥ 60 %
	4.1.11 Protrusion of the actuating bar	W ≤ 100 mm (class 2)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	V ≤ 18 mm
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	R ≤ 25 mm
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	≤ 3000 mm (height) ≤ 1320 mm (width) ≤ 200 kg (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	≤ 80 N ≤ 220 N under pressure
	4.2.7 Safety requirements	≤ 1000 N (class 2)

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N

7.3.3 CE-K005-02d



0432
DIN EN 1125:2008
Emergency exit lock
Type 3 7 6 0 1 3 2 2 B B

a) MFP EP/PE 930/950/960/330/350/360
b) GEP EP/PE 930/950/960

Doors in escape routes (1-sash)

KFV Karl Fliether GmbH & Co. KG
Siemensstraße 10
42551 Velbert
Germany

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0432-CPR-00048-02
DOP-K005-02

Sections with requirements in DIN EN 1125:2008

Capability for release 4.2.1	4.1.2 Release functions	$\leq 1 \text{ s}$
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	$\leq 0.5 \text{ mm}$
	4.1.9 Installation of the actuating bar	$Z \leq 150 \text{ mm}$
	4.1.10 Length of the actuating bar	$\geq 60 \%$
	4.1.11 Protrusion of the actuating bar	$W \leq 100 \text{ mm}$ (class 2)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	$V \leq 18 \text{ mm}$
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	$R \leq 25 \text{ mm}$
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	$\leq 3000 \text{ mm}$ (height) $\leq 1320 \text{ mm}$ (width) $\leq 200 \text{ kg}$ (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	$\leq 80 \text{ N}$ $\leq 220 \text{ N}$ under pressure
	4.2.7 Safety requirements	$\leq 1000 \text{ N}$ (class 2)

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N

7.3.4 CE-K005-03



0432
DIN EN 1125:2008
Emergency exit lock
Type 3 7 6 0 1 3 2 1 A B

a) MFP EP/PE 963/363
b) GEP EP/PE 963

Doors in escape routes (1-sash)

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Siemensstraße 10
42551 Velbert
Germany

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0432-CPR-00048-02
DOP-K005-03

Sections with requirements in DIN EN 1125:2008

Capability for release 4.2.1	4.1.2 Release functions	$\leq 1 \text{ s}$
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	$\leq 0.5 \text{ mm}$
	4.1.9 Installation of the actuating bar	$Z \leq 150 \text{ mm}$
	4.1.10 Length of the actuating bar	$\geq 60 \%$
	4.1.11 Protrusion of the actuating bar	$W \leq 150 \text{ mm}$ (class 1)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	$V \leq 18 \text{ mm}$
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	$R \leq 25 \text{ mm}$
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	$\leq 2520 \text{ mm}$ (height) $\leq 1320 \text{ mm}$ (width) $\leq 200 \text{ kg}$ (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	$\leq 80 \text{ N}$ $\leq 220 \text{ N}$ under pressure
	4.2.7 Safety requirements	$\leq 1000 \text{ N}$ (class 2)

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N

7.3.5 CE-K005-04a



0432
DIN EN 1125:2008
Emergency exit lock
Type 3 7 6 0 1 3 2 2 A B

a) MFP EP/PE 963/363
b) GEP EP/PE 963

Doors in escape routes (1-sash)

KFV Karl Fliether GmbH & Co. KG
Siemensstraße 10
42551 Velbert
Germany

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0432-CPR-00048-02
DOP-K005-04

Sections with requirements in DIN EN 1125:2008

Capability for release 4.2.1	4.1.2 Release functions	$\leq 1 \text{ s}$
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	$\leq 0.5 \text{ mm}$
	4.1.9 Installation of the actuating bar	$Z \leq 150 \text{ mm}$
	4.1.10 Length of the actuating bar	$\geq 60 \%$
	4.1.11 Protrusion of the actuating bar	$W \leq 100 \text{ mm}$ (class 2)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	$V \leq 18 \text{ mm}$
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	$R \leq 25 \text{ mm}$
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	$\leq 2520 \text{ mm}$ (height) $\leq 1320 \text{ mm}$ (width) $\leq 200 \text{ kg}$ (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	$\leq 80 \text{ N}$ $\leq 220 \text{ N}$ under pressure
	4.2.7 Safety requirements	$\leq 1000 \text{ N}$ (class 2)

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N

7.3.6 CE-K005-04b



0432
DIN EN 1125:2008
Emergency exit lock
Type 3 7 6 0 1 3 2 2 B B

a) MFP EP/PE 963/363
b) GEP EP/PE 963

Doors in escape routes (1-sash)

KFV Karl Fliether GmbH & Co. KG
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Germany

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0432-CPR-00048-02
DOP-K005-04

Sections with requirements in DIN EN 1125:2008

Capability for release 4.2.1	4.1.2 Release functions	$\leq 1 \text{ s}$
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	$\leq 0.5 \text{ mm}$
	4.1.9 Installation of the actuating bar	$Z \leq 150 \text{ mm}$
	4.1.10 Length of the actuating bar	$\geq 60 \%$
	4.1.11 Protrusion of the actuating bar	$W \leq 100 \text{ mm}$ (class 2)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	$V \leq 18 \text{ mm}$
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	$R \leq 25 \text{ mm}$
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	$\leq 2520 \text{ mm}$ (height) $\leq 1320 \text{ mm}$ (width) $\leq 200 \text{ kg}$ (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	$\leq 80 \text{ N}$ $\leq 220 \text{ N}$ under pressure
	4.2.7 Safety requirements	$\leq 1000 \text{ N}$ (class 2)

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N

7.3.7 CE-K006-01b



0432
DIN EN 1125:2008
Emergency exit lock
Type 3 7 6 B 1 3 2 1 A B

a) MFP EP/PE 930/950/960/330/350/360 FS
b) GEP EP/PE 930/950/960 FS

Doors in escape routes (1-sash)

KFV Karl Fliether GmbH & Co. KG
Siemensstraße 10
42551 Velbert
Germany

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0432-CPR-00048-02
DOP-K006-01

Sections with requirements in DIN EN 1125:2008

Capability for release 4.2.1	4.1.2 Release functions	≤ 1 s
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	≤ 0.5 mm
	4.1.9 Installation of the actuating bar	$Z \leq 150$ mm
	4.1.10 Length of the actuating bar	≥ 60 %
	4.1.11 Protrusion of the actuating bar	$W \leq 150$ mm (class 1)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	$V \leq 18$ mm
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	$R \leq 25$ mm
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	≤ 3000 mm (height) ≤ 1320 mm (width) ≤ 200 kg (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	≤ 80 N ≤ 220 N under pressure
	4.2.7 Safety requirements	≤ 1000 N (class 2)
Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to $+60^{\circ}$ C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	$\leq 200\,000$ cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

Capability for independent closing C 4.2.1	4.2.3 locking force	$\leq 50 \text{ N}$
4.2.8 Final check release force lever handle	4.2.4 Durability	$\leq 200\,000$ cycles (class 7)
	4.2.3 locking force	$\leq 50 \text{ N}$
Fire resistance E (room enclosure) and I (thermal insulation)	4.1.10 Suitability of the emergency exit locks for the use of fire-rated doors	suitable (class B)

7.3.8 CE-K006-02b

 0432 DIN EN 1125:2008 Emergency exit lock Type 3 7 6 B 1 3 2 2 A B		
a) MFP EP/PE 930/950/960/330/350/360 FS b) GEP EP/PE 930/950/960 FS		
Doors in escape routes (1-sash)		
KFV Karl Fliether GmbH & Co. KG Siemensstraße 10 42551 Velbert Germany		
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0432-CPR-00048-02 DOP-K006-02		
Sections with requirements in DIN EN 1125:2008		
Capability for release 4.2.1	4.1.2 Release functions	$\leq 1 \text{ s}$
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	$\leq 0.5 \text{ mm}$
	4.1.9 Installation of the actuating bar	$Z \leq 150 \text{ mm}$
	4.1.10 Length of the actuating bar	$\geq 60 \%$
	4.1.11 Protrusion of the actuating bar	$W \leq 100 \text{ mm}$ (class 2)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	$V \leq 18 \text{ mm}$
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	$R \leq 25 \text{ mm}$
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	$\leq 3000 \text{ mm}$ (height) $\leq 1320 \text{ mm}$ (width) $\leq 200 \text{ kg}$ (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	$\leq 80 \text{ N}$ $\leq 220 \text{ N}$ under pressure
	4.2.7 Safety requirements	$\leq 1000 \text{ N}$ (class 2)

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N
Fire resistance E (room enclosure) and I (thermal insulation)	4.1.10 Suitability of the emergency exit locks for the use of fire-rated doors	suitable (class B)

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

7.3.9 CE-K006-02d



0432
DIN EN 1125:2008
Emergency exit lock
Type 3 7 6 B 1 3 2 2 B B

a) MFP EP/PE 930/950/960/330/350/360 FS
b) GEP EP/PE 930/950/960 FS

Doors in escape routes (1-sash)

KFV Karl Fliether GmbH & Co. KG
Siemensstraße 10
42551 Velbert
Germany

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0432-CPR-00048-02
DOP-K006-02

Sections with requirements in DIN EN 1125:2008

Capability for release 4.2.1	4.1.2 Release functions	$\leq 1 \text{ s}$
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	$\leq 0.5 \text{ mm}$
	4.1.9 Installation of the actuating bar	$Z \leq 150 \text{ mm}$
	4.1.10 Length of the actuating bar	$\geq 60 \%$
	4.1.11 Protrusion of the actuating bar	$W \leq 100 \text{ mm (class 2)}$
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	$V \leq 18 \text{ mm}$
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	$R \leq 25 \text{ mm}$
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	$\leq 3000 \text{ mm (height)}$ $\leq 1320 \text{ mm (width)}$ $\leq 200 \text{ kg (class 6)}$
	4.1.24 Outer access device	passed
	4.2.2 Release forces	$\leq 80 \text{ N}$ $\leq 220 \text{ N under pressure}$
	4.2.7 Safety requirements	$\leq 1000 \text{ N (class 2)}$
Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	$\leq 96 \text{ h (class 3)}$
	4.1.9 Temperature range	$-10^\circ \text{ C to } +60^\circ \text{ C}$
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	$\leq 50 \text{ N}$
	4.2.4 Durability	$\leq 200 \text{ 000 cycles (class 7)}$
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed $\leq 80 \text{ N}$ $\leq 220 \text{ N under pressure}$

Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N
Fire resistance E (room enclosure) and I (thermal insulation)	4.1.10 Suitability of the emergency exit locks for the use of fire-rated doors	suitable (class B)

7.3.10 CE-K006-03

 0432 DIN EN 1125:2008 Emergency exit lock Type 3 7 6 B 1 3 2 1 A B		
a) MFP EP/PE 963/363 FS b) GEP EP/PE 963 FS		
Doors in escape routes (1-sash)		
KFV Karl Fliether GmbH & Co. KG Siemensstraße 10 42551 Velbert Germany		
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0432-CPR-00048-02 DOP-K006-03		
Sections with requirements in DIN EN 1125:2008		
Capability for release 4.2.1	4.1.2 Release functions	≤ 1 s
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	≤ 0.5 mm
	4.1.9 Installation of the actuating bar	Z ≤ 150 mm
	4.1.10 Length of the actuating bar	≥ 60 %
	4.1.11 Protrusion of the actuating bar	W ≤ 150 mm (class 1)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	V ≤ 18 mm
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	R ≤ 25 mm
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	≤ 2520 mm (height) ≤ 1320 mm (width) ≤ 200 kg (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	≤ 80 N ≤ 220 N under pressure
	4.2.7 Safety requirements	≤ 1000 N (class 2)

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N
Fire resistance E (room enclosure) and I (thermal insulation)	4.1.10 Suitability of the emergency exit locks for the use of fire-rated doors	suitable (class B)

7.3.11 CE-K006-04a



0432
DIN EN 1125:2008
Emergency exit lock
Type 3 7 6 B 1 3 2 2 A B

a) MFP EP/PE 963/363 FS
b) GEP EP/PE 963 FS

Doors in escape routes (1-sash)

KFV Karl Fliether GmbH & Co. KG
Siemensstraße 10
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Germany

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0432-CPR-00048-02
DOP-K006-04

Sections with requirements in DIN EN 1125:2008

Capability for release 4.2.1	4.1.2 Release functions	$\leq 1 \text{ s}$
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	$\leq 0.5 \text{ mm}$
	4.1.9 Installation of the actuating bar	$Z \leq 150 \text{ mm}$
	4.1.10 Length of the actuating bar	$\geq 60 \%$
	4.1.11 Protrusion of the actuating bar	$W \leq 100 \text{ mm}$ (class 2)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	$V \leq 18 \text{ mm}$
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	$R \leq 25 \text{ mm}$
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	$\leq 2520 \text{ mm}$ (height) $\leq 1320 \text{ mm}$ (width) $\leq 200 \text{ kg}$ (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	$\leq 80 \text{ N}$ $\leq 220 \text{ N}$ under pressure
	4.2.7 Safety requirements	$\leq 1000 \text{ N}$ (class 2)
Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	$\leq 96 \text{ h}$ (class 3)
	4.1.9 Temperature range	-10° C to $+60^\circ \text{ C}$
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	$\leq 50 \text{ N}$
	4.2.4 Durability	$\leq 200\,000$ cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed $\leq 80 \text{ N}$ $\leq 220 \text{ N}$ under pressure

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

Capability for independent closing C 4.2.1	4.2.3 locking force	$\leq 50 \text{ N}$
4.2.8 Final check release force lever handle	4.2.4 Durability	$\leq 200\,000$ cycles (class 7)
	4.2.3 locking force	$\leq 50 \text{ N}$
Fire resistance E (room enclosure) and I (thermal insulation)	4.1.10 Suitability of the emergency exit locks for the use of fire-rated doors	suitable (class B)

7.3.12 CE-K006-04b

 0432 DIN EN 1125:2008 Emergency exit lock Type 3 7 6 B 1 3 2 2 B B		
a) MFP EP/PE 963/363 FS b) GEP EP/PE 963 FS		
Doors in escape routes (1-sash)		
KFV Karl Fliether GmbH & Co. KG Siemensstraße 10 42551 Velbert Germany		
24		
0432-CPR-00048-02 DOP-K006-04		
Sections with requirements in DIN EN 1125:2008		
Capability for release 4.2.1	4.1.2 Release functions	$\leq 1 \text{ s}$
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	$\leq 0.5 \text{ mm}$
	4.1.9 Installation of the actuating bar	$Z \leq 150 \text{ mm}$
	4.1.10 Length of the actuating bar	$\geq 60 \%$
	4.1.11 Protrusion of the actuating bar	$W \leq 100 \text{ mm}$ (class 2)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	$V \leq 18 \text{ mm}$
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	$R \leq 25 \text{ mm}$
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	$\leq 2520 \text{ mm}$ (height) $\leq 1320 \text{ mm}$ (width) $\leq 200 \text{ kg}$ (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	$\leq 80 \text{ N}$ $\leq 220 \text{ N}$ under pressure
	4.2.7 Safety requirements	$\leq 1000 \text{ N}$ (class 2)

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N
Fire resistance E (room enclosure) and I (thermal insulation)	4.1.10 Suitability of the emergency exit locks for the use of fire-rated doors	suitable (class B)

7.3.13 CE-K007-01b

CE 0432 DIN EN 1125:2008 Emergency exit lock Type 3 7 6 0 1 3 2 1 A A		
a) MFP EP/PE 930/950/960/330/350/360 2F b) GEP EP/PE 930/950/960 2F		
Doors in escape routes (1-sash and 2-sash)		
KFV Karl Fliether GmbH & Co. KG Siemensstraße 10 42551 Velbert Germany		
24		
0432-CPR-00048-02 DOP-K007-01		
Sections with requirements in DIN EN 1125:2008		
Capability for release 4.2.1	4.1.2 Release functions	≤ 1 s
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	≤ 0.5 mm
	4.1.7 Double sash door	passed
	4.1.9 Installation of the actuating bar	Z ≤ 150 mm
	4.1.10 Length of the actuating bar	≥ 60 %
	4.1.11 Protrusion of the actuating bar	W ≤ 150 mm (class 1)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	V ≤ 18 mm
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	R ≤ 25 mm
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	≤ 3000 mm (height) ≤ 1320 mm (width) ≤ 200 kg (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	≤ 80 N ≤ 220 N under pressure
	4.2.7 Safety requirements	≤ 1000 N (class 2)

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

7.3.14 CE-K007-02b



0432
DIN EN 1125:2008
Emergency exit lock
Type 3 7 6 0 1 3 2 2 A A

a) MFP EP/PE 930/950/960/330/350/360 2F
b) GEP EP/PE 930/950/960 2F

Doors in escape routes (1-sash and 2-sash)

KFV Karl Fliether GmbH & Co. KG
Siemensstraße 10
42551 Velbert
Germany

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0432-CPR-00048-02
DOP-K007-02

Sections with requirements in DIN EN 1125:2008

Capability for release 4.2.1	4.1.2 Release functions	$\leq 1 \text{ s}$
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	$\leq 0.5 \text{ mm}$
	4.1.7 Double sash door	passed
	4.1.9 Installation of the actuating bar	$Z \leq 150 \text{ mm}$
	4.1.10 Length of the actuating bar	$\geq 60 \%$
	4.1.11 Protrusion of the actuating bar	$W \leq 100 \text{ mm}$ (class 2)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	$V \leq 18 \text{ mm}$
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	$R \leq 25 \text{ mm}$
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	$\leq 3000 \text{ mm}$ (height) $\leq 1320 \text{ mm}$ (width) $\leq 200 \text{ kg}$ (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	$\leq 80 \text{ N}$ $\leq 220 \text{ N}$ under pressure
	4.2.7 Safety requirements	$\leq 1000 \text{ N}$ (class 2)

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N

7.3.15 CE-K007-02e

CE 0432 DIN EN 1125:2008 Emergency exit lock Type 3 7 6 0 1 3 2 2 B A		
a) MFP EP/PE 930/950/960/330/350/360 2F b) GEP EP/PE 930/950/960 2F		
Doors in escape routes (1-sash and 2-sash)		
KFV Karl Fliether GmbH & Co. KG Siemensstraße 10 42551 Velbert Germany		
24		
0432-CPR-00048-02 DOP-K007-02		
Sections with requirements in DIN EN 1125:2008		
Capability for release 4.2.1	4.1.2 Release functions	≤ 1 s
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	≤ 0.5 mm
	4.1.7 Double sash door	passed
	4.1.9 Installation of the actuating bar	Z ≤ 150 mm
	4.1.10 Length of the actuating bar	≥ 60 %
	4.1.11 Protrusion of the actuating bar	W ≤ 100 mm (class 2)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	V ≤ 18 mm
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	R ≤ 25 mm
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	≤ 3000 mm (height) ≤ 1320 mm (width) ≤ 200 kg (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	≤ 80 N ≤ 220 N under pressure
	4.2.7 Safety requirements	≤ 1000 N (class 2)

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

7.3.16 CE-K007-03a



0432
DIN EN 1125:2008
Emergency exit lock
Type 3 7 6 0 1 3 2 1 A A

a) MFP EP/PE 963/363 2F
b) GEP EP/PE 963 2F

Doors in escape routes (1-sash and 2-sash)

KFV Karl Fliether GmbH & Co. KG
Siemensstraße 10
42551 Velbert
Germany

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0432-CPR-00048-02
DOP-K007-03

Sections with requirements in DIN EN 1125:2008

Capability for release 4.2.1	4.1.2 Release functions	≤ 1 s
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	≤ 0.5 mm
	4.1.7 Double sash door	passed
	4.1.9 Installation of the actuating bar	$Z \leq 150$ mm
	4.1.10 Length of the actuating bar	≥ 60 %
	4.1.11 Protrusion of the actuating bar	$W \leq 150$ mm (class 1)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	$V \leq 18$ mm
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	$R \leq 25$ mm
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	≤ 2520 mm (height) ≤ 1320 mm (width) ≤ 200 kg (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	≤ 80 N ≤ 220 N under pressure
	4.2.7 Safety requirements	≤ 1000 N (class 2)

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

7.3.17 CE-K007-04a



0432
DIN EN 1125:2008
Emergency exit lock
Type 3 7 6 0 1 3 2 2 A A

a) MFP EP/PE 963/363 2F
b) GEP EP/PE 963 2F

Doors in escape routes (1-sash and 2-sash)

KFV Karl Fliether GmbH & Co. KG
Siemensstraße 10
42551 Velbert
Germany

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0432-CPR-00048-02
DOP-K007-04

Sections with requirements in DIN EN 1125:2008

Capability for release 4.2.1	4.1.2 Release functions	≤ 1 s
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	≤ 0.5 mm
	4.1.7 Double sash door	passed
	4.1.9 Installation of the actuating bar	$Z \leq 150$ mm
	4.1.10 Length of the actuating bar	≥ 60 %
	4.1.11 Protrusion of the actuating bar	$W \leq 100$ mm (class 2)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	$V \leq 18$ mm
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	$R \leq 25$ mm
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	≤ 2520 mm (height) ≤ 1320 mm (width) ≤ 200 kg (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	≤ 80 N ≤ 220 N under pressure
	4.2.7 Safety requirements	≤ 1000 N (class 2)

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N

7.3.18 CE-K007-04c

CE 0432 DIN EN 1125:2008 Emergency exit lock Type 3 7 6 0 1 3 2 2 B A		
a) MFP EP/PE 963/363 2F b) GEP EP/PE 963 2F		
Doors in escape routes (1-sash and 2-sash)		
KFV Karl Fliether GmbH & Co. KG Siemensstraße 10 42551 Velbert Germany		
24		
0432-CPR-00048-02 DOP-K007-04		
Sections with requirements in DIN EN 1125:2008		
Capability for release 4.2.1	4.1.2 Release functions	≤ 1 s
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	≤ 0.5 mm
	4.1.7 Double sash door	passed
	4.1.9 Installation of the actuating bar	Z ≤ 150 mm
	4.1.10 Length of the actuating bar	≥ 60 %
	4.1.11 Protrusion of the actuating bar	W ≤ 100 mm (class 2)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	V ≤ 18 mm
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	R ≤ 25 mm
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	≤ 2520 mm (height) ≤ 1320 mm (width) ≤ 200 kg (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	≤ 80 N ≤ 220 N under pressure
	4.2.7 Safety requirements	≤ 1000 N (class 2)

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

7.3.19 CE-K008-01b



0432
DIN EN 1125:2008
Emergency exit lock
Type 3 7 6 B 1 3 2 1 A A

a) MFP EP/PE 930/950/960/330/350/360 FS 2F
b) GEP EP/PE 930/950/960 FS 2F

Doors in escape routes (1-sash and 2-sash)

KFV Karl Fliether GmbH & Co. KG
Siemensstraße 10
42551 Velbert
Germany

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0432-CPR-00048-02
DOP-K008-01

Sections with requirements in DIN EN 1125:2008

Capability for release 4.2.1	4.1.2 Release functions	≤ 1 s
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	≤ 0.5 mm
	4.1.7 Double sash door	passed
	4.1.9 Installation of the actuating bar	$Z \leq 150$ mm
	4.1.10 Length of the actuating bar	≥ 60 %
	4.1.11 Protrusion of the actuating bar	$W \leq 150$ mm (class 1)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	$V \leq 18$ mm
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	$R \leq 25$ mm
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	≤ 3000 mm (height) ≤ 1320 mm (width) ≤ 200 kg (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	≤ 80 N ≤ 220 N under pressure
	4.2.7 Safety requirements	≤ 1000 N (class 2)

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N
Fire resistance E (room enclosure) and I (thermal insulation)	4.1.10 Suitability of the emergency exit locks for the use of fire-rated doors	suitable (class B)

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

7.3.20 CE-K008-02b



0432
DIN EN 1125:2008
Emergency exit lock
Type 3 7 6 B 1 3 2 2 A A

a) MFP EP/PE 930/950/960/330/350/360 FS 2F
b) GEP EP/PE 930/950/960 FS 2F

Doors in escape routes (1-sash and 2-sash)

KFV Karl Fliether GmbH & Co. KG
Siemensstraße 10
42551 Velbert
Germany

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0432-CPR-00048-02
DOP-K008-02

Sections with requirements in DIN EN 1125:2008

Capability for release 4.2.1	4.1.2 Release functions	≤ 1 s
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	≤ 0.5 mm
	4.1.7 Double sash door	passed
	4.1.9 Installation of the actuating bar	$Z \leq 150$ mm
	4.1.10 Length of the actuating bar	≥ 60 %
	4.1.11 Protrusion of the actuating bar	$W \leq 100$ mm (class 2)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	$V \leq 18$ mm
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	$R \leq 25$ mm
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	≤ 3000 mm (height) ≤ 1320 mm (width) ≤ 200 kg (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	≤ 80 N ≤ 220 N under pressure
	4.2.7 Safety requirements	≤ 1000 N (class 2)

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N
Fire resistance E (room enclosure) and I (thermal insulation)	4.1.10 Suitability of the emergency exit locks for the use of fire-rated doors	suitable (class B)

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

7.3.21 CE-K008-02e



0432
DIN EN 1125:2008
Emergency exit lock
Type 3 7 6 B 1 3 2 2 B A

a) MFP EP/PE 930/950/960/330/350/360 FS 2F
b) GEP EP/PE 930/950/960 FS 2F

Doors in escape routes (1-sash and 2-sash)

KFV Karl Fliether GmbH & Co. KG
Siemensstraße 10
42551 Velbert
Germany

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0432-CPR-00048-02
DOP-K008-02

Sections with requirements in DIN EN 1125:2008

Capability for release 4.2.1	4.1.2 Release functions	≤ 1 s
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	≤ 0.5 mm
	4.1.7 Double sash door	passed
	4.1.9 Installation of the actuating bar	$Z \leq 150$ mm
	4.1.10 Length of the actuating bar	≥ 60 %
	4.1.11 Protrusion of the actuating bar	$W \leq 100$ mm (class 2)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	$V \leq 18$ mm
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	$R \leq 25$ mm
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	≤ 3000 mm (height) ≤ 1320 mm (width) ≤ 200 kg (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	≤ 80 N ≤ 220 N under pressure
	4.2.7 Safety requirements	≤ 1000 N (class 2)

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N
Fire resistance E (room enclosure) and I (thermal insulation)	4.1.10 Suitability of the emergency exit locks for the use of fire-rated doors	suitable (class B)

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

7.3.22 CE-K008-03a



0432
DIN EN 1125:2008
Emergency exit lock
Type 3 7 6 B 1 3 2 1 A A

a) MFP EP/PE 963/363 FS 2F
b) GEP EP/PE 963 FS 2F

Doors in escape routes (1-sash and 2-sash)

KFV Karl Fliether GmbH & Co. KG
Siemensstraße 10
42551 Velbert
Germany

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0432-CPR-00048-02
DOP-K008-03

Sections with requirements in DIN EN 1125:2008

Capability for release 4.2.1	4.1.2 Release functions	≤ 1 s
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	≤ 0.5 mm
	4.1.7 Double sash door	passed
	4.1.9 Installation of the actuating bar	$Z \leq 150$ mm
	4.1.10 Length of the actuating bar	≥ 60 %
	4.1.11 Protrusion of the actuating bar	$W \leq 150$ mm (class 1)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	$V \leq 18$ mm
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	$R \leq 25$ mm
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	≤ 2520 mm (height) ≤ 1320 mm (width) ≤ 200 kg (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	≤ 80 N ≤ 220 N under pressure
	4.2.7 Safety requirements	≤ 1000 N (class 2)

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N
Fire resistance E (room enclosure) and I (thermal insulation)	4.1.10 Suitability of the emergency exit locks for the use of fire-rated doors	suitable (class B)

Assembly instructions

Electromechanical multi-point lock GEP 2.2 and 2.3, EP 9XX

7.3.23 CE-K008-04a



0432
DIN EN 1125:2008
Emergency exit lock
Type 3 7 6 B 1 3 2 2 A A

a) MFP EP/PE 963/363 FS 2F
b) GEP EP/PE 963 FS 2F

Doors in escape routes (1-sash and 2-sash)

KFV Karl Fliether GmbH & Co. KG
Siemensstraße 10
42551 Velbert
Germany

24

0432-CPR-00048-02
DOP-K008-04

Sections with requirements in DIN EN 1125:2008

Capability for release 4.2.1	4.1.2 Release functions	≤ 1 s
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	≤ 0.5 mm
	4.1.7 Double sash door	passed
	4.1.9 Installation of the actuating bar	$Z \leq 150$ mm
	4.1.10 Length of the actuating bar	≥ 60 %
	4.1.11 Protrusion of the actuating bar	$W \leq 100$ mm (class 2)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	$V \leq 18$ mm
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	$R \leq 25$ mm
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	≤ 2520 mm (height) ≤ 1320 mm (width) ≤ 200 kg (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	≤ 80 N ≤ 220 N under pressure
	4.2.7 Safety requirements	≤ 1000 N (class 2)

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N
Fire resistance E (room enclosure) and I (thermal insulation)	4.1.10 Suitability of the emergency exit locks for the use of fire-rated doors	suitable (class B)

7.3.24 CE-K008-04c

CE 0432 DIN EN 1125:2008 Emergency exit lock Type 3 7 6 B 1 3 2 2 B A		
a) MFP EP/PE 963/363 FS 2F b) GEP EP/PE 963 FS 2F		
Doors in escape routes (1-sash and 2-sash)		
KFV Karl Fliether GmbH & Co. KG Siemensstraße 10 42551 Velbert Germany		
24		
0432-CPR-00048-02 DOP-K008-04		
Sections with requirements in DIN EN 1125:2008		
Capability for release 4.2.1	4.1.2 Release functions	≤ 1 s
	4.1.3 Fixing of the panic door lock	passed
	4.1.5 Protruding edges and corners	≤ 0.5 mm
	4.1.7 Double sash door	passed
	4.1.9 Installation of the actuating bar	Z ≤ 150 mm
	4.1.10 Length of the actuating bar	≥ 60 %
	4.1.11 Protrusion of the actuating bar	W ≤ 100 mm (class 2)
	4.1.12 End of the actuating bar	passed
	4.1.13 Actuation area of the bar	V ≤ 18 mm
	4.1.14 Test rod	passed
	4.1.15 Clearance of the door sash surface	R ≤ 25 mm
	4.1.16 Achievable space	20 mm
	4.1.17 Free movement of the door	passed
	4.1.18 Upward running drive shoot bolt	passed
	4.1.23 Dimensions and mass of the door (door sash)	≤ 2520 mm (height) ≤ 1320 mm (width) ≤ 200 kg (class 6)
	4.1.24 Outer access device	passed
	4.2.2 Release forces	≤ 80 N ≤ 220 N under pressure
	4.2.7 Safety requirements	≤ 1000 N (class 2)

Durability in terms of capability for release 4.2.1	4.2.9 Corrosion resistance	≤ 96 h (class 3)
	4.1.9 Temperature range	-10° C to +60° C
	4.1.22 lubrication	every 20,000 cycles
	4.2.3 locking force	≤ 50 N
	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.5 Resistance of operating element against misuse	500 N / 1000 N
	4.2.8 Final check release force lever handle	passed ≤ 80 N ≤ 220 N under pressure
Capability for independent closing C 4.2.1	4.2.3 locking force	≤ 50 N
4.2.8 Final check release force lever handle	4.2.4 Durability	≤ 200 000 cycles (class 7)
	4.2.3 locking force	≤ 50 N
Fire resistance E (room enclosure) and I (thermal insulation)	4.1.10 Suitability of the emergency exit locks for the use of fire-rated doors	suitable (class B)

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