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## DOOR TECHNOLOGY



# SECURY ePOWER



## Motor-driven multi-point lock Installation and maintenance instructions

Translation of the German original version

Securing technology for you



# SECURY ePOWER

Motor-driven multi-point lock



## Table of contents

Notes regarding these instructions.....	Page	4
<b>1. Safety instructions and definitions.....</b>	<b>Page</b>	<b>5</b>
1.1 Warning symbols.....	Page	5
1.2 Safety instructions.....	Page	5
1.3 General information on multi-point locks.....	Page	7
<b>2. Product description.....</b>	<b>Page</b>	<b>10</b>
2.1 General product features.....	Page	10
2.2 Function.....	Page	11
2.2.1 Cable link and electric strike.....	Page	11
2.2.2 Cable link and interchangeable latch piece TOE ET8..	Page	12
2.2.3 Cable link and interchangeable latch piece/latch limit stop.....	Page	14
2.3 Application range.....	Page	16
2.4 Technical data.....	Page	17
2.5 Components and accessories.....	Page	18
2.6 Intended use.....	Page	19
<b>3. Preparation for use.....</b>	<b>Page</b>	<b>20</b>
3.1 Safety instructions.....	Page	20
3.2 Installation advice.....	Page	21
3.3 Setting the "Key-Controlled Latch Holdback (GFF)" ..	Page	23
3.4 Electrical installation.....	Page	24
3.4.1 Electrical connection.....	Page	24
3.4.2 Wiring sketch.....	Page	29
3.5 Signal transmitter setting.....	Page	30

<b>4. Commissioning .....</b>	<b>Page</b>	<b>31</b>
4.1 Safety instructions for the functional check .....	Page	31
4.2 Functional check of the multi-point lock.....	Page	31
4.2.1 Testing the basic functions of the multi-point lock.....	Page	32
4.2.2 Checking the daytime release function (TF).....	Page	33
4.2.3 Checking the controlled daytime release function (KTF) ....	Page	33
4.2.4 Prüfung of function "Key-controlled latch holdback" GFF .....	Page	34
4.3 Error description and remedy.....	Page	35
<b>5. Maintenance and cleaning .....</b>	<b>Page</b>	<b>36</b>
5.1 Special safety advice.....	Page	36
5.2 Maintenance and cleaning.....	Page	36
<b>6. Disposal.....</b>	<b>Page</b>	<b>37</b>
<b>7. Declarations of Performance .....</b>	<b>Page</b>	<b>38</b>
<b>8. Certificate of acceptance .....</b>	<b>Page</b>	<b>38</b>



**The security features of these products are essential for its conformity with EN 179, EN 1125 and EN 14846.**

**Changes to the products are not permitted, unless described by the manufacturer!**

**Please hand this document over to the user!**

# SECURY ePOWER

## Motor-driven multi-point lock



### Notes regarding these instructions

These instructions contain important notes which must be followed in order to prevent danger, to reduce downtimes and repair costs and to ensure reliability and long lifetime.

The instructions must be read carefully by every person handling the product, e.g., during

- mounting and electrical installation
- start-up, operation and maintenance

The instructions must be handed over to the operator once the installation is complete. Instruct all operators/responsible persons to read the instructions.

Read this instructions carefully through before the first operation and keep it for future reference.

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Responsible for all instructions of Gretsch-Unitas GmbH Baubeschläge is its technical office in 71254 Ditzingen, Germany.

## 1. Safety instructions and definitions

### 1.1 Warning symbols



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



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



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



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



**NOTE** denotes a statement which is informative in nature.

### 1.2 Safety instructions



**Warning regarding electrical voltage!**



**Danger to life due to electric shock!**

**Low-voltage lines (e.g. 24 V) and power lines must be laid separately!**

**Flexible cables must not be plastered over; free-hanging cables must be installed with strain relief.**

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

# SECURY ePOWER

## Motor-driven multi-point lock



**Danger to life due to electric shock!**

**Do not connect the locks to 230 V!**



**Risk of fire from cable cross sections that are too small!**

**Use suitable cable cross-sections for the voltage.**

These instructions are aimed at trained specialist personnel with knowledge of installing lock, door hardware and electronic components

and provide information on how to install, start-up and operate these products.

The necessity to observe the instructions given in this manual must be pointed out to building contractors and users in order to prevent false installation and improper usage.

- The appropriate local installation specifications, directives and regulations must be followed. This applies especially to the VDE directives and regulations, e.g., DIN VDE 0100 and IEC 60364.
- No liability is assumed for damage arising from improper use, assembly and installation, and from use of non-original parts and accessories!
- It is necessary to ensure that only trained specialists (for the definition thereof see EN 50110-1, DIN VDE 0105 or IEC 60364) are charged with jobs related to the product (planning, transport, assembly, installation, start-up, maintenance, repair, disassembly).
- Moreover, it is necessary to ensure that the documents required for installation, start-up, operation, maintenance and repair of the product are made available to the specialists and observed by them duly.
- For safety and product approval (CE) reasons, the product must not be converted or modified.

- Before starting any installation, repair, maintenance or adjustment work, ensure that no voltage is applied to any of the power supply units and protect against unintended switch-on.
- Claims made under the warranty for damage caused by non-observance of these instructions will become invalid! No liability is assumed for consequential damages!

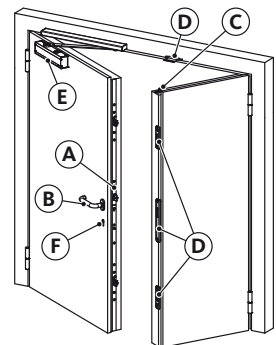
### 1.3 General information on multi-point locks

An exit device always contains:

- Ⓐ Lock or multi-point lock
- Ⓑ Hardware
- Ⓒ Accessories
- Ⓓ Keeper(s) (strikers/latch&deadbolt strikers/striker strips).

Door closers Ⓔ and locking cylinders Ⓕ are not always required, but, if used, must be approved for use with the appropriate exit device

**(see [www.g-u.com/service/downloads](http://www.g-u.com/service/downloads) - Door Technology - "Zulässige Schließzylinder in Kombination mit BKS-Fluchttürschlösserndownloads" (permissible locking cylinders in combination with BKS emergency door locks)).**



**Locking components**

- If you are building a door in accordance with EN 179 or EN 1125, only those devices are allowed to be installed which use components listed in the EC certificate of conformity EN 179 or EN 1125. This also applies to the subsequent installation of spare parts.
- Due to different frame designs, it may be impossible for the manufacturer to supply an appropriate keeper. In this case the fabricator takes over responsibility, in agreement with the manufacturer of the multi-point lock, to design and install an equivalent solution as demanded. You can find the approved striker contours on the installation drawing.

# SECURY ePOWER

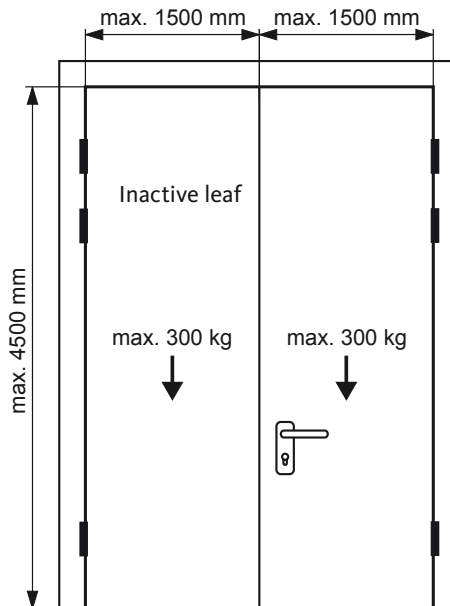
## Motor-driven multi-point lock



- Before installing the exit device, make sure the door is properly installed and is not warped.
- The keepers must be able to receive the additional locks of the multi-point locking system freely and smoothly at all times, also when pre-load is applied to the door.
- Make sure that, when retracted, the locking elements do not protrude so far as to obstruct the movement of the door.
- The exit device must operate smoothly and easily.  
If it does not move easily, this could be a sign of incorrect assembly or locked-up stress in the exit device.
- Make sure when using door gaskets that they do not impair the proper functioning of the exit device.
- Due to the design, other hole diameters or fixing types than those described which are not compatible with the recommended fixing materials may be required. The fabricator is responsible for verifying that the exit device has been fastened correctly in these cases.
- To guarantee a secure fixing of the hardware, a through-fixed screw connection is the most recommended installation.
- The horizontal activating bar must normally be installed at a height of 900-1100 mm above finished floor level (FFL) with the door closed so as to achieve the greatest possible effective bar length.  
If most of the users are small children, lowering the installation height of the activating horizontal bar should be considered.
- To hold the door shut, no other devices than those approved to EN 179/ EN 1125 should be installed.  
However, this does not exclude the use of door closers.
- When using a door closer in a barrier-free construction according to DIN 18040, it must be ensured that the door closer does not prevent children or elderly or infirm persons from operating the door. We recommend using a Gretsch-Unitas free-swing door closer.



- Observe the installation, maintenance and operating instructions. It is particularly important to ensure that all keepers and covers are fully installed.
- Operators of such an exit device must be instructed about its intended use.
- All statutory regulations in relation to use of the exit device on fire and smoke protection doors remain fully valid.



**Max. door dimensions and weights**

# SECURY ePOWER

## Motor-driven multi-point lock



## 2. Product description

### 2.1 General product features

- SECURY ePOWER is a multi-point locking system for modern project doors.
- In normal mode, the motor-driven additional locking elements are retracted once the door is closed and are then secured against being pushed back.
- Suitable for use on fire and smoke protection doors.
- Suitable for door systems up to resistance class RC3 in accordance with EN 1627.
- Suitable for swing doors made of timber, metal and other material combinations.
- Suitable for 1-leaf door systems.
- Equipped with panic function in the escape direction.
- Daytime release (TF) electrically connectable (with SECUREconnect 200 power and data transmission unit or a cable link).
- Key-controlled latch holdback (GFF), electrically connectable (with SECUREconnect 200 power and data transmission unit or a cable link).
- Controlled daytime release (KTF), electrically connectable (only with cable link).
- Compatible with swing-door drives (e.g. from Gretsch-Unitas).
- Compatible with access control systems (e.g. from Gretsch-Unitas). This allows integration into door management and escape route protection systems, as well as alarm and building management systems.
- Approved according to EN 179, EN 1125 and EN 14846, providing suitable hardware (e.g. WDL / BKS hardware) is used.

## 2.2 Function



EN 179

### Basic functions

Multi-point lock with motor-driven locking and unlocking.  
If necessary the door can be opened by key.



EN 1125

Opening the door in escape direction is possible at any time (panic function) using the hardware (lever handle / push bar / touch bar).

### 2.2.1 Cable link and electric strike

#### Equipment of the door

Outside: Push/pull handle/knob

Inside: Lever handle/push bar/touch bar

Lock type: SECURY ePOWER PE1



### **NOTE**

Wiring diagram on Page 25.

#### Function "Normal operation"

- Operation of access control (pulse on control line ST)
  - The additional locks and main latch retract (confirmed by 2 signal tones)
  - The electric strike is activated (parallel activation of SECURY ePOWER and electric strike)
  - The door can be opened
  - The main latch is extended again after 3 s. The door can be opened for as long as the electric strike is actuated.
- Once the user has passed through, the door is shut
  - The electric strike is not activated
  - The door is latched by the main latch and the additional locks extend after roughly 2 seconds (confirmed by 2 signal tones)
  - The door is locked.
- To pass through the door again, the access control must be actuated once more.

# SECURY ePOWER

## Motor-driven multi-point lock



### "Controlled daytime release function (KTF)"

- Activation of the controlled daytime release via a continuous signal (e.g. switch) at KTF input
  - The additional locking elements and main latch remain in the locked position
  - The electric strike is not activated
- Initial access through door
  - The additional locks and main latch retract (confirmed by 2 signal tones)
  - The main latch is extended again after 3 s.
  - The controlled daytime release is now activated.
- Once the user has passed through, the door is shut
  - The electric strike is not activated
  - The additional locking elements do not extend
  - The door is latched by the main latch and held in the closed position by the electric strike.
- To pass through the door again, the electric strike must be activated once more.

To deactivate the "Controlled Daytime Release (KTF)", the continuous signal at the KTF input must be deactivated.

### 2.2.2 Cable link and interchangeable latch piece TOE ET8

#### Equipment of the door

Outside: Push/pull handle/knob

Inside: Lever handle/push bar/touch bar

Lock type: SECURY ePOWER PE1

**NOTE**

Wiring diagram on Page 26.

### Function "Normal operation"

- Operation of access control (pulse on control line ST)
  - The additional locks and main latch retract (confirmed by 2 signal tones)
  - The door can be opened
  - The main latch is extended again after 3 s
- Once the user has passed through, the door is shut
  - The door is latched by the main latch and the additional locks extend after roughly 2 seconds (confirmed by 2 signal tones)
  - The door is locked.
- To pass through the door again, the access control must be actuated once more.

### Function "Daytime release (TF)"

- Activation of the daytime release (continuous signal at control line ST)
  - The additional locks and main latch retract immediately (confirmed by 2 signal tones)
  - The main latch extends again after roughly 3 seconds and the additional locks remain permanently retracted.
  - The daytime release function is activated
  - Activation of the mechanical unlocking of the interchangeable latch piece TOE ET8.
- The door is then shut after it has been accessed (e.g. door closer).
  - The additional locking elements do not extend
  - The door is latched by the main latch and held by the interchangeable latch piece with mechanical unlocking in the closed position.
- The door can be opened from the outside and inside without access control.

To deactivate the "Daytime Release (TF)", the continuous signal at the ST control line must be deactivated.

# SECURY ePOWER

## Motor-driven multi-point lock



### 2.2.3 Cable link and interchangeable latch piece/latch limit stop

#### 2.2.3.1 Outside of the door with lever handle

##### Equipment of the door

Outside:	Lever handle
Inside:	Lever handle/push bar/touch bar
Lock type:	SECURY ePOWER PT1/NT1

#### **NOTE**

Wiring diagram on Page 26.

#### **NOTE**

The multi-point lock is equipped with a split follower in spite of the panic function E. It is therefore important to always use a square spindle (e.g. B-78430)!

##### Function "Normal operation"

- Operation of access control (pulse on control line ST)
  - The additional locks and main latch retract (confirmed by 2 signal tones)
  - The door can be opened
  - The main latch is extended again after 3 s
- Once the user has passed through, the door is shut
  - The door is latched by the main latch and the additional locks extend after roughly 2 seconds (confirmed by 2 signal tones)
  - The door is locked.
- To pass through the door again, the access control must be actuated once more.

##### Function "Daytime release (TF)"

- Activation of the daytime release (continuous signal at control line ST)
  - The additional locks and main latch retract immediately (confirmed by 2 signal tones)
  - The main latch extends again after roughly 3 seconds and the

- additional locks remain permanently retracted.
- The daytime release function is activated
- Activation of the mechanical unlocking of the interchangeable latch piece.
- The door is then shut after it has been accessed (e.g. door closer).
  - The additional locking elements do not extend.
  - The door is latched by the main latch and held in the closed position by the interchangeable latch piece or the latch limit stop.
- The door can be opened from the outside and inside without access control.

To deactivate the "Daytime Release (TF)", the continuous signal at the ST control line must be deactivated.

### 2.2.3.2 Outside of the door with push/pull handle/knob

#### Equipment of the door

Outside: Push/pull handle/knob

Inside: Lever handle/push bar/touch bar

Lock type: SECURITY ePOWER PE1

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<b>NOTE</b>	<b>Wiring diagram on Page 26.</b>
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#### Function "Normal operation"

- Operation of access control (pulse on control line ST)
  - The additional locks and main latch retract (confirmed by 2 signal tones)
  - The door can be opened
  - The main latch is extended again after 3 s
- Once the user has passed through, the door is shut
  - The door is latched by the main latch and the additional locks extend after roughly 2 seconds (confirmed by 2 signal tones)
  - The door is locked.
- To pass through the door again, the access control must be actuated once more.

# SECURY ePOWER

## Motor-driven multi-point lock



### Function "Key-controlled latch holdback" GFF

- Activation of the key-controlled latch holdback (continuous signal at control line ST)
  - The additional locks and main latch retract (confirmed by 2 signal tones) and remain permanently retracted.
  - The door can be opened.
  - The key-controlled latch holdback is activated.

To deactivate the "key-controlled latch holdback (GFF)", the continuous signal at the ST control line must be deactivated.

## 2.3 Application range

SECURY ePOWER	1-leaf door outward opening		1-leaf door inward opening	
	Narrow stile doors, timber doors and PVC doors			
Panic function E	■		■	
Lever handle function T	■		■	
Approval EN 179	■		■	
Approval EN 1125	■			
Approval EN 14846	■		■	
Fire/smoke protection approval	■		■	
RC 2/RC 3 suitability	■		■	
Hole distance (distance in mm)	92, 94	72	92, 94	72
Backset (mm)	35-65	55-80	35-65	55-80
<b>Monitoring functions</b>				
Additional lock (*)	■		■	
* Striker with RSK deadbolt monitoring contact				



## 2.4 Technical data

■ Operating voltage:	24 V DC, stabilised
■ Current consumption:	max. 1 A
■ Residual ripple of voltage supply:	max. 100 mVpp
■ Duty ratio:	100 %
■ Operating temperature:	-10°C to +55°C
■ Storage temperature:	-25°C to +70°C
■ Relative humidity:	Up to 95% at 40°C
■ Protection code:	IP30
■ Corrosion protection:	EN 1670 – Class 4 (Very high resistance = 240 h corrosion test)
■ Environment protection class:	III according to EN 50131-1 (Outside – covered or inside under extreme environmental conditions)

# SECURY ePOWER

## Motor-driven multi-point lock



### 2.5 Components and accessories

#### Scope of delivery

- SECURY ePOWER multi-point lock
- Installation and maintenance instructions
- Installation drawing(s)

#### Mandatory accessories

- SECURY ePOWER fixing accessories set K-19879-01

#### Optional accessories

- Switching power supply for mounting on top-hat rail 24 V DC, 1.3 A
- Cable link (detachable 10-pole version, e.g. from Gretsch-Unitas)
- SECUREconnect 200 wireless power and data transmission unit
- Escape door control system
- Electric strike, electric strike for fire rated doors
- Interchangeable latch piece with mechanical override
- Striker with RSK monitoring contact
- Emergency power buffer B 5490 0303  
The emergency power buffer avoids undefined motor positions in the event of a power failure. This cannot be used to provide an emergency power supply or continuous motor-driven operation.
- Uninterruptible power supply GU-USV 9-43187-00-0 (12–24 V AC, 14–24 V DC).  
The GU-UPS ensures that there is sufficient power to project the additional locking elements once into its locked position even in the event of a power cut. This prevents the multi-point lock entering an undefined state.

## 2.6 Intended use

The SECURY ePOWER multi-point locking system is intended for vertically installed doors. Applications are building entrance doors in private and public buildings where safe door locking is required night, whereas a high passage frequency has to be managed by day (quick door release is possible).

The multi-point lock can be controlled via a potential-free contact (e.g. push-button, intercom, access control, time switch, etc.). The positive potential (+) of the operating voltage is connected to the control line (ST) of the multi-point lock via this contact. The programmed function TF (daytime release) is set via a continuous signal at the multi-point lock, or the short-term release is activated via a momentary-contact signal (pulse).

Compliance with the manufacturer's specifications, in particular the instructions in the supplied installation and operating instructions, are a part of intended use. This is the only way to avoid damage.

Changes made to the multi-point lock without the approval of GU exclude the manufacturer's liability for resulting damages.

The product complies with the regulations of European Directives.

Furthermore, our terms and conditions apply.

# SECURY ePOWER

## Motor-driven multi-point lock



### 3. Preparation for use

#### 3.1 Safety instructions

If the power supply fails during motor-driven actuation, the motor stops and the additional locking elements remain in their current position.



**For use with fire and smoke protection doors, the motor-driven multi-point locking SECURY ePOWER has to be connected to an appropriate emergency power supply!**

**This emergency power supply ensures the secure locking of the additional locking elements even in the event of a mains failure.**

The additional locking elements can be moved to the unlocked position at any time by means of the alternating operation by the locking cylinder.

If it is necessary to ensure that the additional locking elements also lock securely when the power supply fails, the SECURY ePOWER multi-point lock must be connected to an emergency power supply (e.g. external emergency power supply).

#### **ATTENTION**

**Connect only high-quality power supply units to the multi-point lock!**

**Low-quality power supply units can cause problems in operation.**

## ATTENTION

**Do not crimp or damage the cables!**

**Ensure that the cables are laid and the electrical connection of the multi-point lock is made with the plug connection in such a way that the cables cannot be crimped or damaged in the area of the lock or faceplate during installation.**

**Make sure that the cable is not damaged by fixing screws!**

Junction boxes should be accessible for maintenance work.

Cable types, lengths and cross-sections must conform to the specifications.

### 3.2 Mounting advice

- When installing the GU multi-point lock, refer to the GU installation drawing which is included in the scope of delivery and observe all information and instructions provided in the drawing.  
The installation and milling dimensions are specified on the installation drawing, as well as approved hardware, strikers, latch&deadbolt strikers and striker strips.  
We would be happy to provide you with the drawings, if needed.
- Make sure the exit device is complete and the individual components have been approved.
- We recommend using a concealed cable link or the wireless SECUREconnect 200 power and data transmission unit from the Gretschnitas group as the cable link for routing the cable from the the door leaf into the door frame.  
If you use a cable link, install it on the hinge-side of the door to avoid damage to the cable at any door position.  
To allow the door leaf to be unhinged, it should be easy to disconnect the cable link from the hinge-side connecting cable at a later date (we

# SECURY ePOWER

## Motor-driven multi-point lock



recommend a 10-pin, disconnectable cable link by the Gretsch-Unitas group).

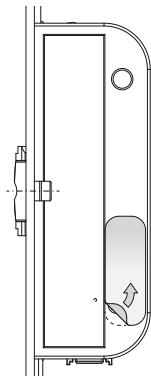
- Install the cable so that it cannot be damaged. The cable must not touch the connecting rods!
- When mounting the multi-point lock, lay cables in a loop in order to enable a subsequent removal.
- Make sure that the hardware is positioned correctly and that the fixing screws are tightened properly (i.e., not too tightly) to avoid malfunctions of the multi-point lock.
- The connecting rods must always be able to move freely behind the faceplate of the multi-point lock. For this reason:
  - Use fixing screws that are not too large.
  - Avoid screwing in the fixing screws at a cant.
  - Prevent hardware parts from becoming jammed.
  - Maintain a clearance to electrical cables.
- The additional locking elements must be able to glide into the strikers freely and without friction at all times.
- Using a clearance packer, for example, make sure that the leaf cannot be moved in relation to the frame from transport to installation of the door. This prevents damage to the locking points, for example.

### 3.3 Setting the "Key-Controlled Latch Holdback (GFF)"

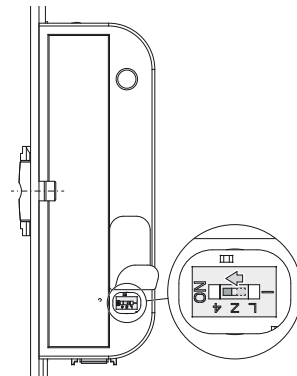
#### **ATTENTION**

The function "Daytime release TF" is preset in the delivery condition.

If the "key-controlled latch holdback (GFF)" function is due to be used, it must be set up before installation and connection to the multi point lock control unit.



- ① Pull the sticker back until the DIP switch is visible



- ② Use a small screwdriver to slide the DIP switch to the left into the position shown (4)
- ③ Cover the DIP switch with the sticker again

#### **NOTE**

When the "key-controlled latch holdback (GFF)" is activated, the main latch is permanently retracted, i.e., the door is not held in the close position. We therefore recommend using a GU door closer.

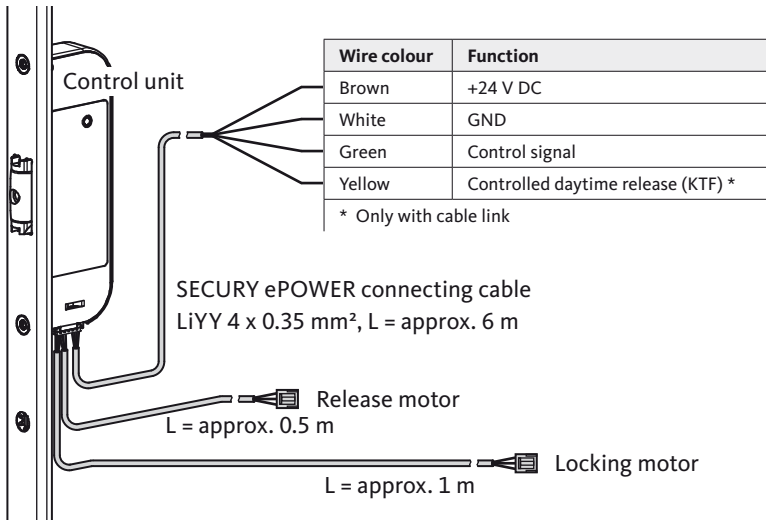
# SECURY ePOWER

## Motor-driven multi-point lock



### 3.4 Electrical installation

#### 3.4.1 Electrical connection

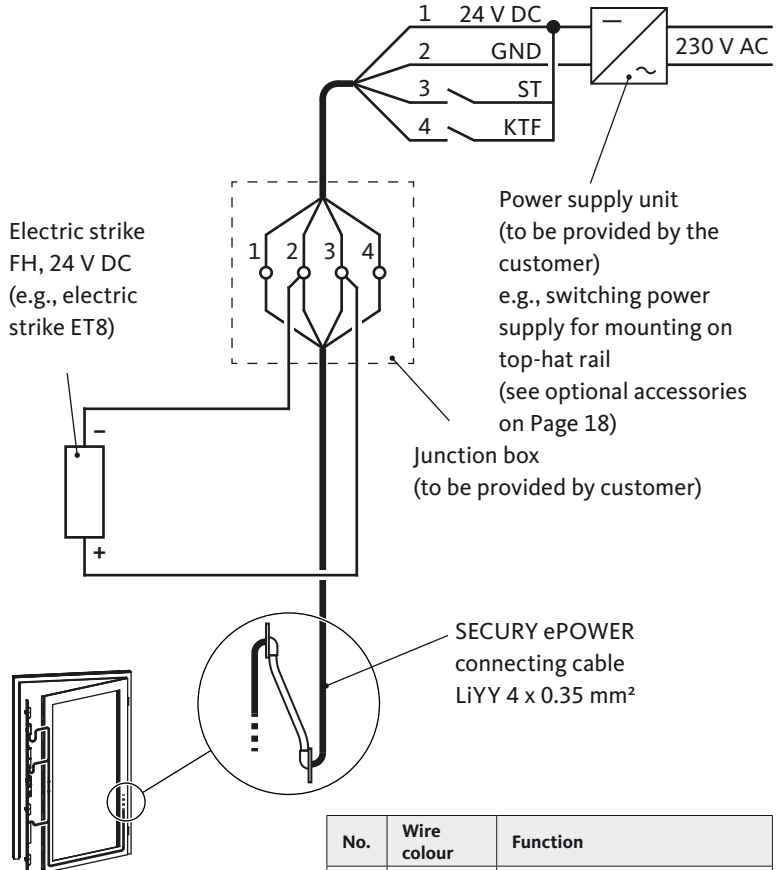


Terminal assignment SECURITY ePOWER

### ATTENTION

When finishing the installation, isolate all unused cables!



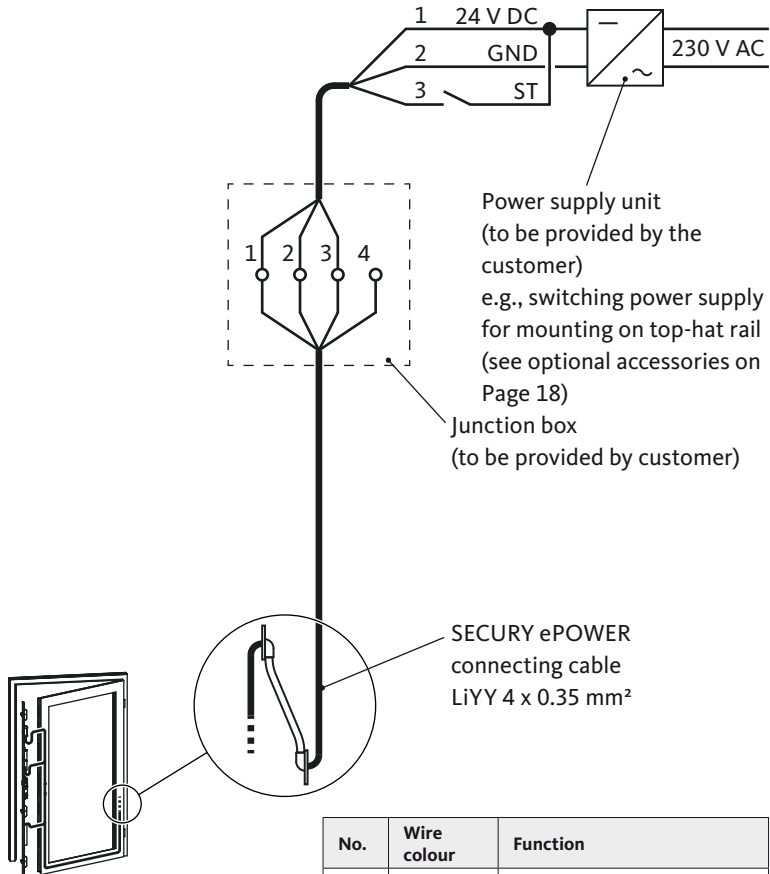


No.	Wire colour	Function
1	Brown	+24 V DC
2	White	GND
3	Green	Control signal
4	Yellow	Controlled daytime release (KTF)

**Wiring diagram for SECURY ePOWER with cable link and electric strike**

# SECURY ePOWER

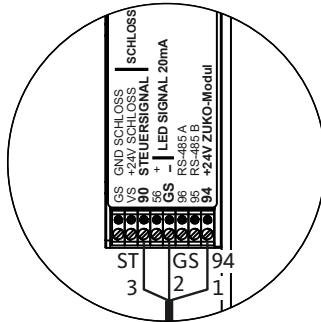
## Motor-driven multi-point lock



**Wiring diagram for SECURY ePOWER with cable link  
with interchangeable latch piece TOE/ET8 and interchangeable latch  
piece/latch keeper**

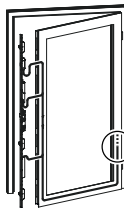
### SECUREconnect 200 F

No.	Wire colour	Function
1	Brown	+24 V DC
2	White	GND
3	Green	Control signal (ST)
4	Yellow	--



### SECURITY ePOWER connecting cable

LiYY 4 x 0.35 mm<sup>2</sup>

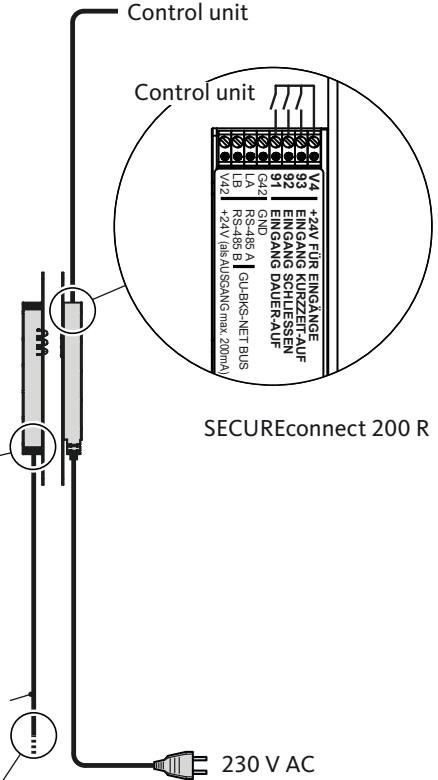


### Control unit

### Control unit



### SECUREconnect 200 R



### Wiring diagram SECURITY ePOWER with SECUREconnect 200

# SECURY ePOWER

## Motor-driven multi-point lock

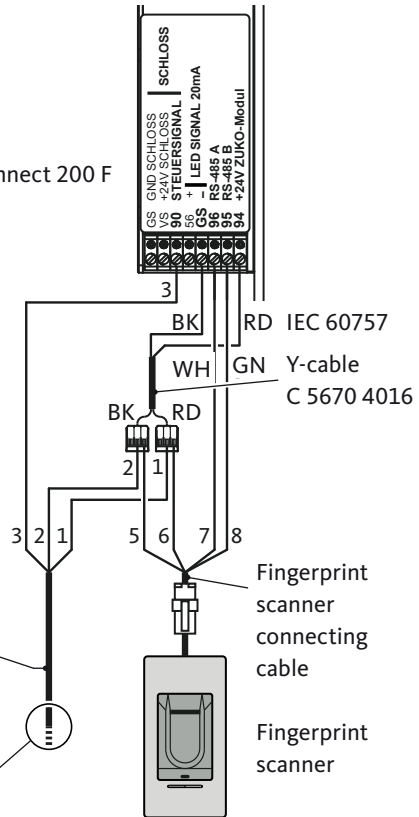
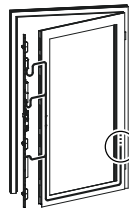


Using a SECUREconnect 200

SECUREconnect 200 F

No.	Wire colour	Function
1	Brown	+24 V DC
2	White	GND
3	Green	Control signal (ST)
4	Yellow	--

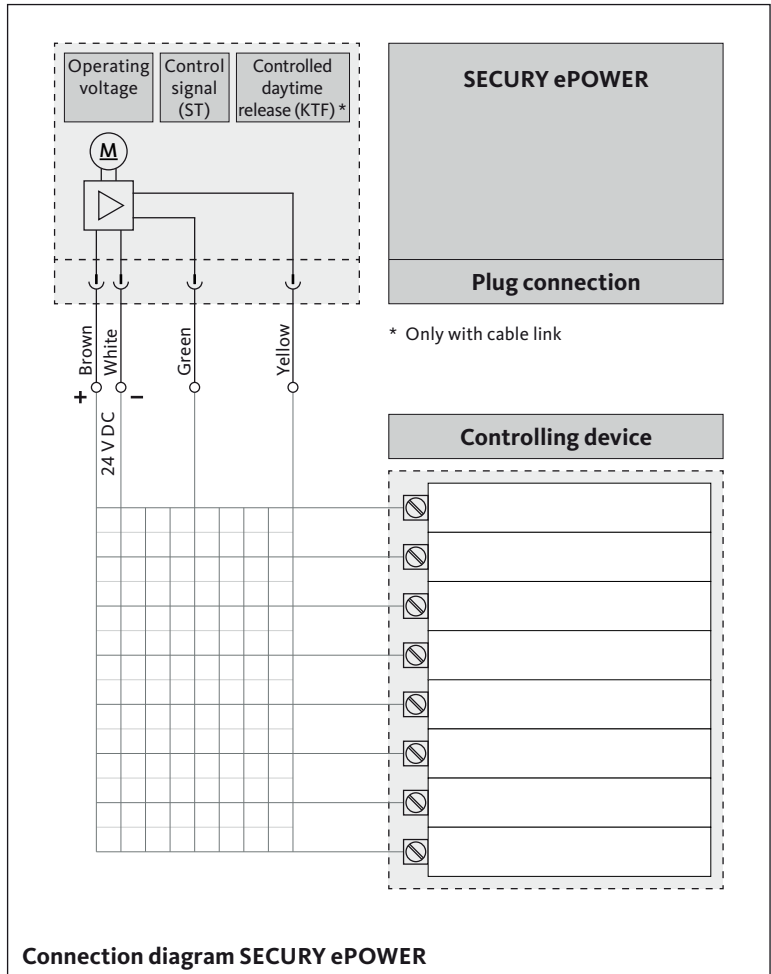
SECURY ePOWER connecting cable  
LiYY 4 x 0.35 mm<sup>2</sup>



No.	Wire colours	
	Manufacturer: Idencom	Manufacturer: ekey
5	Yellow	Brown
6	Brown	White
7	White	Yellow
8	Green	Green

### Wiring diagram fingerprint scanner with SECURY ePOWER and SECUREconnect 200

### 3.4.2 Wiring sketch



\* Only with cable link

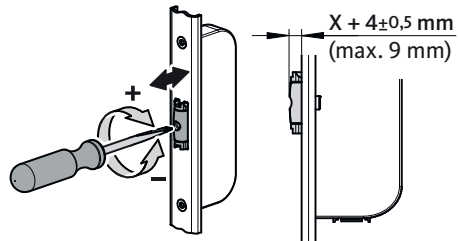
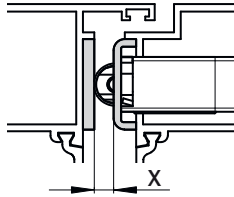
# SECURY ePOWER

## Motor-driven multi-point lock



### 3.5 Signal transmitter setting

- Adjust the signal transmitter as follows:
  - Measure the rebate clearance  $X$  [mm] at the level of the signal transmitter
  - Set up the signal transmitter by turning the front-end set screw with a 0.8 x 4 screw driver to the dimension  $X + 4 \pm 0.5$  [mm] (maximum setting 9 mm)



#### **NOTE**

When the signal transmitter is pushed back, the control unit receives the information, that the door is closed.

You should therefore install a striker for the signal transmitter!

A contact plate for the signal transmitter must be installed when using a rebated frame profile.

- Perform a function check of the exit device **with the door open**.

## 4. Commissioning

### 4.1 Safety instructions for the functional check



#### **CAUTION**

Squeezing of body parts!

Make sure that limbs are well clear of the locking elements during the locking procedure.

Do not reach between door and frame!

#### **NOTE**

The SECURY ePOWER multi-point locking is equipped with a roller latch which serves as signal transmitter.

The signal transmitter must run up against a signal plate in the frame, for example, and is actuated when the door is closed.

### 4.2 Functional check of the multi-point locks

- After installation of the multi-point lock, lubricate the completely extended locking bolts (rear side of main latch and both sides of the additional locking elements) using a non-resinous grease (e.g. GU service grease H-01960).

#### **NOTE**

The signal transmitter (roller latch) of the SECURY ePOWER multi-point lock is maintenance-free and must not be lubricated!

- Make sure that the power supply to the multi-point lock exists (24 V direct current). Motor-driven locking is not possible without a power supply.

# SECURY ePOWER

## Motor-driven multi-point lock



### 4.2.1 Testing the basic functions of the multi-point lock

#### **NOTE**

When using a SECUREconnect 200, the additional locking elements cannot be locked with the door open.

When testing the function of a SECURY ePOWER multi-point lock equipped with a SECUREconnect 200, you must close the door again until the tappet contacts of the SECUREconnect leaf part are in contact with the contact surfaces of the frame part. As you close the door, make sure that the locking elements of the multi-point lock can freely extend, i.e. are not blocked by the door frame.

- Open the door by operating the lever handle on the inside.
- Keep the signal transmitter pressed.  
Make sure that (after roughly 2 seconds) the main latch and all additional locking elements extend.  
Two short acoustic signals confirm proper locking.
- Release the signal transmitter immediately after projection of the main latch and additional locking elements.  
Make sure that the main latch and all additional locking elements extend after approx. 3 seconds.
- Close the door to check that the signal transmitter is set correctly.  
Make sure that (after roughly 2 seconds) the main latch and all additional locking elements extend (noise of locking operation).  
Two short acoustic signals confirm proper locking.  
The signal transmitter is correctly set.

If the multi-point lock does not lock properly, you must adjust the signal transmitter correctly (see Page 30).



- Operate the external trigger for the short-term release.  
Make sure that the main latch and the additional locking elements retract and the door can be opened via the knob/lever handle on the outside.
- Close the door.  
Make sure that (after roughly 2 seconds) the main latch and the additional locking elements extend (noise of locking operation).  
Two short acoustic signals confirm proper locking.

#### 4.2.2 Checking the daytime release function (TF)

- Operate the external trigger for the daytime release (TF).  
Make sure that the main latch and additional locking elements retract and that the main latch then extends again.  
The door can now be opened using the outside knob/lever handle with the mechanical unlocking function of the interchangeable latch piece TOE ET8 activated or with the electric striker actuated.
- Ensure that the additional locking elements remain retracted when the door is closed and that the door still can be opened by means of the exterior knob/lever handle.

#### 4.2.3 Checking the controlled daytime release function (KTF)

### NOTE

**With the controlled daytime release (KTF) activated, SECURY ePOWER releases the door after the first passage only.**

- Operate, with the door closed, the external trigger for the controlled daytime release (KTF).  
Make sure that the multi-point lock is not showing any signs of activity, i.e., that the additional locking elements are not retracted (no noise of an unlocking operation).
- Open the door by operating the lever handle on the inside or the access control.  
Make sure that the main latch and additional locking elements retract and that the main latch then extends again.

# SECURY ePOWER

## Motor-driven multi-point lock



- Ensure that the additional locking elements remain retracted when the door is closed and that the door still can be opened by means of the electric strike (knob) or exterior lever handle.

### 4.2.4 Check of function "Key-controlled latch holdback" GFF

- Operate the external trigger for the key-controlled latch holdback (GFF). Make sure that the main latch and additional locking elements retract and remain permanently retracted.  
The door can now be opened from the inside and outside.
- Ensure that the additional locking elements remain retracted when the door is closed and that the door still can be opened from the inside and outside.

### 4.3 Error description and remedy



**These work described in the following must always be performed by trained specialist personnel with knowledge of installing lock, door hardware and electronic components!**

Description	Possible cause	Solution
The multi-point lock does not unlock electrically	The multi-point lock or power supply unit is not receiving power.	Check the residual-current circuit-breaker or safety switch. Check all electrical connections.
The multi-point lock does not lock	Daytime release function activated.	Check whether the daytime release (TF) function is activated, if so, switch it off.
	The multi-point lock or power supply unit is not receiving power.	Check the residual-current circuit-breaker or safety switch. Check all electrical connections.
	The door position contact (signal transmitter) is not switching.	Adjust the signal transmitter correctly (see Page 30).
	The additional locking elements and latch&deadbolt strikers are incorrectly installed.	Adjust the position of the latch&deadbolt strikers and, if necessary, the multi-point lock.
The escape door function is not operational	An incorrect version of the multi-point lock is installed (inward opening escape door instead of outward opening panic/escape door or vice-versa).	Replace the multi-point lock with a multi-point lock with suitable functionality.
	The multi-function lock is faulty	Replace the multi-point lock with a multi-point lock of the same type.

# SECURY ePOWER

## Motor-driven multi-point lock



## 5. Maintenance and cleaning

### 5.1 Special safety advice

The SECURY ePOWER multi-point lock must only be operated with power supply units meeting at least the requirements specified under Chapter “2.4 Technical data”.

Any warranty claims for damage caused by non-observance are rejected.

### 5.2 Maintenance and cleaning

To make sure it is fit for use, the SECURY ePOWER multi-point lock must be serviced **at least once a year**. Make sure in doing so that the SECURY ePOWER multi-point locking system is in proper working order.

Perform the following routine maintenance checks and document them accordingly:

- Inspect and actuate the panic exit device and make sure that all parts of the exit device are in a perfect operating condition.
- Make sure that the keepers are not jammed or filled with dirt.
- Make sure that no additional locking devices have been fitted to the door at a later point in time.
- Verify that the system components correspond to the list of approved components originally supplied with the system. Have the system serviced to its proper condition at regular intervals.
- Make sure the fixing materials are properly tightened and retighten if required.
- Service the tappet contacts for SECUREconnect as per the maintenance information in the instructions.
- Grease the locking points, sliding and bearing pints with GU service grease H-01960.

We recommend an additional monthly functional check of the panic exit device.

Only cleaning and care agents that do not affect the corrosion protection of the hardware parts may fundamentally be used.

**NOTE**

**The signal transmitter of the SECURY ePOWER multi-point lock is maintenance-free!  
Do not grease or oil the signal transmitter!**

## 6. Disposal



This product is classified in accordance with the amended German Electrical and Electronic Equipment Act (ElektroG) as an electrical device of the type "Large or small devices that can be used in domestic households".

This product carries a symbol of a crossed-out bin to indicate that it cannot be disposed of as regular waste and instead must be disposed of legally at a municipal collection point.

This separate collection supports environmentally-friendly and resource-saving disposal of our products and is entirely free of charge.

WEEE-Reg.-No.: DE 49744122

# SECURY ePOWER

## Motor-driven multi-point lock



### 7. Declarations of Performance

The following Declarations of Performance apply for the product:

- 0001-CPR-GU-BKS-Ferco
- 0002-CPR-GU-BKS-Ferco
- 0004-CPR-GU-BKS-Ferco

#### **NOTE**

You can find the declarations of performance on the GU homepage "[www.g-u.com](http://www.g-u.com)".

### 8. Acceptance certificate

The acceptance certificates on the following pages must be filled out by the fitter and signed by the operator and fitter.

The operator and fitter each receive a signed original of the acceptance certificate.



Gretsch-Unitas GmbH  
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 Germany  
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 Fax +49 (0) 71 56 3 01-2 93  
 www.g-u.com



# Acceptance certificate SECURY ePOWER

For the operator

## Information required on SECURY ePOWER

Building project

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Location of the  
 SECURY ePOWER

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## The following points have been explained to the operator

- Access via locking cylinder
- Controlled daytime release KTF
- Daytime release TF/key-controlled latch holdback GFF
- Access via access control
- Access via key-operated switch
- Escape door control system
- Uninterruptible power supply UPS
- Emergency power buffer
- SECUREconnect 200
- Cable link

Also complete the back.

# SECURY ePOWER

Motor-driven multi-point lock



## The following documents were handed over to the operator

- Installation and maintenance instructions for SECURY ePOWER
- Instructions for access control
- Instructions for escape door control
- Instructions for uninterruptible power supply UPS
- Instructions for emergency power buffer
- Instructions for SECUREconnect 200
- Instructions for cable link

**The door system delivered and fitted by us is therefore considered as accepted by the operator!**

Fitter	Company	_____
	Name	_____
	Date	_____
	Signature	_____
Operator	Company	_____
	Name	_____
	Date	_____
	Signature	_____

Do not forget signatures





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# Acceptance certificate SECURY ePOWER

for the fitter

## Information required on SECURY ePOWER

Building project

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Location of the  
 SECURY ePOWER

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- Daytime release TF/key-controlled latch holdback GFF
- Access via access control
- Access via key-operated switch
- Escape door control system
- Uninterruptible power supply UPS
- Emergency power buffer
- SECUREconnect 200
- Cable link

Also complete the back.

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Motor-driven multi-point lock



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Do not forget signatures

Fitter	Company	_____
	Name	_____
	Date	_____
	Signature	_____
Operator	Company	_____
	Name	_____
	Date	_____
	Signature	_____

**Notes**



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