



WINDOW TECHNOLOGY
DOOR TECHNOLOGY
AUTOMATIC ENTRANCE SYSTEMS
BUILDING MANAGEMENT SYSTEMS



DOOR TECHNOLOGY

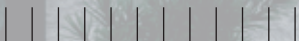
SECURY ePOWER – the motor-driven multi-point locking system with panic function

Securing technology for you



Extra safety and convenience!

In times of enhanced security requirements, high value is placed on intelligent technology and modular locking systems. The SECURY ePOWER Panic meets the highest expectations in terms of security and operating convenience and can also be used universally.



Personal

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SECURY ePOWER NT1 multi-point locking

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SECURY ePOWER multi-point lock

Multi-point locking for doors with enhanced security requirements



The new SECURY multi-point locking system by Gretsch-Unitas is setting new standards on the market

- By means of the motor, convenient locking and unlocking of the door is provided; the high security standard is provided by the sophisticated mechanics.
- The door can be opened from the outside via access control systems, and also of course manually with a key.
- Swing-door drives or door closers of the GU group serve as interface for utmost convenience for practically every application.

Expectations in relation to doors have increased. They need to be secure, comfortable, versatile and durable. It should be possible to incorporate them into an access control system and in escape and rescue routes. They should be barrier-free and tight. The new SECURY ePOWER – the motor-driven multi-point locking system by Gretsch-Unitas – satisfies all these requirements.

The new SECURY ePOWER has a motor-driven door opening, closing and locking system; a convenient barrier-free solution. The three hook bolts make the door particularly secure, and can therefore be used for door systems that satisfy resistance class RC 2 and RC 3. The motor-driven multi-point lock is equipped with a panic function, can be installed in escape and rescue routes and integrated in an access control system. A changeover to daytime release is a convenient option for doors which are frequently used by the public.

The multi-point locks have been proven to be durable and therefore sustainable: they were subjected to more than 200 000 actuation cycles during durability tests.

The main area of application is entrance doors in public buildings where doors need to be safely locked at night but must also handle a high volume of pedestrian traffic during the day. It is possible to pass through quickly.

Benefits of the SECURY ePOWER Panic

- **MORE** comfort

The multi-point lock is unlocked and locked again as if by magic. All of this is motor-driven and only takes seconds – quiet, secure and durable. As soon as the door falls shut, the SECURY ePOWER locks the door by motor; unlocking is done using modern access control systems.
- **Security** with **MULTI**-point locking

a third additional lock below the main lock case ensures enhanced burglar protection. As for burglar inhibition, this door locking system is categorised in one of the highest security classes.
- **Security** with **SYSTEMATIC** approach

The SECURY ePOWER is compatible with all BKS access control systems and is suitable for door automation with GU Automatic swing-door drives.
- **ENHANCED** security with the "Controlled daytime release (KTF)" function

If doors are frequently used, e.g. due to high volume of public traffic, permanent release is possible as standard. In addition to the standard daytime release (TF), we provide the option of controlled daytime release (KTF): this function is electrically activated via a continuous signal (e.g. time switch or key switch). The door remains locked and the additional locking elements are only permanently retracted after the door has been opened for the first time.
- **VERSATILE** use

As emergency exit device (EN 179) and as panic exit device (EN 1125), also for use in barrier-free construction (DIN 18040), thanks to motor-driven locking and unlocking.
- **HIGH** durability

Another important aspect in relation to sustainability was demonstrated by durability tests consisting of more than 200 000 actuation cycles (grade 7). In addition, the dummy-mullion profiles are made of high-quality stainless steel.

Lock components



Hook bolt – saw-through proof and securely hooking into the striker



Lock case with main latch



Control unit with monitoring contact

SECURY ePOWER multi-point lock

General information



SECURY ePOWER for 1-leaf narrow stile doors and timber doors

Product	SECURY ePOWER PE1		SECURY ePOWER PT1		SECURY ePOWER NT1	
	P	Panic exit device outward/inward opening	P	Panic exit device outward opening	N	Emergency exit device inward opening
	E	Panic function E	T	Lever handle function T	T	Lever handle function T
	1	Single-leaf	1	Single-leaf	1	Single-leaf
Page	8 – 17		18 – 26		28 – 32	
Characteristic/Use						
Panic function	■		■		-	
Standard function	-		-		■	
outward opening	■		■		-	
inward opening	■		-		■	
Panic function E (external push/pull handle/ knob)	■		-		-	
Lever handle function T * (external lever handle)	-		■		■	
Approval EN 179 (emergency exit devices)	■		■		■	
Approval EN 1125 (panic exit devices)	■		■		-	
Suitable for fire and smoke protection doors	■		■		■	
RC 2-/RC 3 suitability	■		■		■	
Technical data						
Hole distance (distance in mm)	92	72	92	72	92	72
Backset (mm)	35 – 65	55 – 80	35 – 65	55 – 80	35 – 65	55 – 80
Clearance (mm)	4 – 6		4 – 6		4 – 6	
Stainless steel dummy-mullion profiles	■		■		■	
Monitoring functions						
Additional lock (striker with monitoring contact RSK)	■		■		■	

* only in connection with electric strike or latch keeper












Important!

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

The emergency power buffer ensures, that the motors of the SECURY ePOWER Panic can always move back to the initial position. Thus a safe and reliable door locking is still ensured.



Approvals

-  These products are CE-certified
-  These products are suitable for use in fire protection doors [1]
-  These products are approved as panic exit devices according to EN 1125
-  These products are approved and evaluated by the German Association of Non-Life Insurers (VdS) according to individual directives for the prevention of loss [1]
-  These products are approved as emergency exit devices in accordance with EN 179
-  These products are tested and certified in a wide range of security classes to meet individual burglar resistance demands
-  These products have been tested in accordance with EN 14846
-  These products can be integrated into door management systems such as BKS-NET
-  These products are suitable for barrier-free construction to DIN 18040
-  Suitable for integration in building automation systems
-  These products have been tested in accordance with the directives for electronic locking systems for doors in rescue routes

[1] under preparation

Technical data of integrated A-opener (motors)	
Operating voltage	24 V DC, stabilised
Current consumption	max. 1 A
Residual ripple of voltage supply	max. 100 mVpp
Duty ratio	100 %
Operating temperature	-20°C up to +60°C
Storage temperature	-25°C up to +70°C
Relative humidity	up to 95 % at 40°C
Protection code	IP30
Corrosion protection	EN 1670, grade 3 (high resistance = 96 hrs corrosion test)
Environment protection grade	III according to EN 50131-1 (outside – covered or inside under extreme environmental conditions)

SECURY ePOWER PE1 – functional description

Panic function E, for 1-leaf outward/inward-opening doors



Inside



Outside



Hardware

- **Outside**
Fixed knob or push/pull handle
- **Inside**
Lever handle

Other components

- L&D striker with electric strike

Functional description

Basic function

Multi-point lock with motor-driven locking and unlocking. If required, the multi-point lock can be unlocked mechanically (with the key via the reverser) or electrically (via the opening signal of an access control system). This retracts all locking elements. The locking operation on the other hand is always motor-driven after the door is closed. All locking elements are extended during this operation.

Panic function E

Initial state

Door is closed and locked.

Opening function from the inside

The door can basically be opened in the escape direction at any time by operating the hardware.

Opening function from the outside

The door can be opened mechanically or electrically (see "Basic function" above).

Possible applications

- Emergency exits to EN 179 in areas not accessible to the public
- Suitable for fire and smoke protection doors
- Suitable for very high entrance doors only by agreement with the door fabricator (in compliance with approvals)
- Enhanced burglar protection thanks to the additional locking
- Especially suitable for combination with intercoms on entrance doors (remote opening) and automatic swing-door drives (barrier-free)
- Optional combination with electric access control and/or escape door security components





Outside

Daytime release (TF)

For frequently used doors, e.g. with a high volume of public traffic, daytime release is possible as standard.

Activation

The "Daytime release (TF)" function is activated electrically (e.g. via time switch or key switch). The door is immediately unlocked and is motor-driven. This retracts all locking elements.

Once the door has been passed through and closed, motor-driven locking does not take place.

The door is only held by the main latch when the daytime release is activated.

Opening function from the outside

The door is opened via an electric strike. This allows persons with access authorisation to quickly pass through the door via an access control system.

Deactivation

The "Daytime release (TF)" function is electrically deactivated. Motor-driven locking of the closed door takes place immediately.

Recommendation

- Doors on transformer stations and boiler rooms
- Lifts
- Underground car parks
- Doctor's surgeries
- Entrance doors for warehouses and commercial buildings
- Entrance to apartment buildings and multiple-family dwellings

Controlled daytime release (KTF)

In addition to the daytime release (TF) function, we offer the option of a controlled daytime release (KTF).

Activation

The "Controlled daytime release (TF)" function is activated electrically (e.g. via time switch or key switch). Motor-driven unlocking of the door does not immediately take place.

The locking elements are only retracted after the door has been opened for the first time then remain permanently retracted.

The door is only held by the main latch when the daytime release is activated (KTF).

Opening function from the outside

The door is opened via an electric strike. This allows persons with access authorisation to quickly pass through the door via an access control system.

Deactivation

The "Controlled daytime release (KTF)" function is electrically deactivated. Motor-driven locking of the closed door takes place immediately.

Note

The "Controlled daytime release (KTF)" function is only possible in combination with a cable link and electric strike, and not in combination with SECUREconnect.

Recommendation

- Hallway doors in office buildings
- Homes for the elderly
- Secondary entrance doors
- Secondary entrance doors in kindergartens, schools and hotels

SECURY ePOWER PE1 – functional description

Panic function E, for 1-leaf outward-opening doors



Inside



Outside



Hardware

- **Outside**
Fixed knob or push/pull handle
- **Inside**
Push bar or touch bar

Other components

- L&D striker with electric strike

Functional description

Basic function

Multi-point lock with motor-driven locking and unlocking. If required, the multi-point lock can be unlocked mechanically (with the key via the reverser) or electrically (via the opening signal of an access control system). This retracts all locking elements. The locking operation on the other hand is always motor-driven after the door is closed. All locking elements are extended during this operation.

Panic function E

Initial state

Door is closed and locked.

Opening function from the inside

The door can basically be opened in the escape direction at any time by operating the hardware.

Opening function from the outside

The door can be opened mechanically or electrically (see "Basic function" above).

Possible applications

- Escape doors to EN 1125 in public buildings
- Suitable for fire and smoke protection doors
- Suitable for very high entrance doors only by agreement with the door fabricator (in compliance with approvals)
- Enhanced burglar protection thanks to the additional locking
- Especially suitable for combination with intercoms on entrance doors (remote opening) and automatic swing-door drives (barrier-free)
- Optional combination with electric access control and/or escape door security components





Outside

Daytime release (TF)

For frequently used doors, e.g. with a high volume of public traffic, daytime release is possible as standard.

Activation

The "Daytime release (TF)" function is activated electrically (e.g. via time switch or key switch). The door is immediately unlocked and is motor-driven. This retracts all locking elements.

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- Lifts
- Underground car parks
- Doctor's surgeries
- Entrance doors for warehouses and commercial buildings
- Entrance to apartment buildings and multiple-family dwellings

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The locking elements are only retracted after the door has been opened for the first time then remain permanently retracted.

The door is only held by the main latch when the daytime release is activated (KTF).

Opening function from the outside

The door is opened via an electric strike. This allows persons with access authorisation to quickly pass through the door via an access control system.

Deactivation

The "Controlled daytime release (KTF)" function is electrically deactivated. Motor-driven locking of the closed door takes place immediately.

Note

The "Controlled daytime release (KTF)" function is only possible in combination with a cable link and electric strike, and not in combination with SECUREconnect.

Recommendation

- Hallway doors in office buildings
- Homes for the elderly
- Secondary entrance doors
- Secondary entrance doors in kindergartens, schools and hotels

SECURY ePOWER PE1 – suggested components

for projects (public buildings), for 1-leaf outward/inward-opening doors



Cable link and electric strike [1]



Components – multi-point lock

- 1 SECURY ePOWER multi-point lock
- 2 Accessories on frame side
 - 2a Striker
 - 2b Latch&deadbolt striker
 - 6a Electric strike
 - 2c Striker with RSK deadbolt monitoring contact

Other components

- 3 Overhead door closer
- 4 Hardware for emergency exit devices according to EN 179
 - lever handle (see figure)Hardware for panic exit devices in accordance with EN 1125
 - Push bar or touch bar
- 5 Push/pull handle/knob
- 7a Cable link
- 8 Electronic accessories (e.g. push-button to be provided by customer, fingerprint scanner, etc.)

[1] Daytime release (TF) or controlled daytime release (KTF) possible.

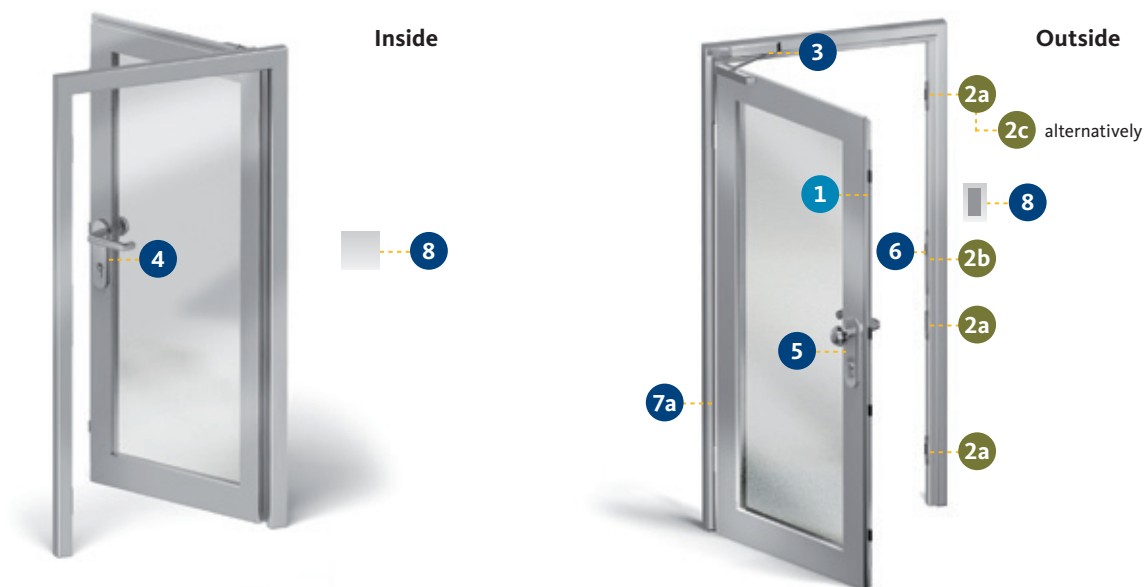


SECURY ePOWER PE1 – suggested components

for projects (public buildings), for 1-leaf outward/inward-opening doors



Cable link and latch keeper [2]



Components – multi-point lock

- 1 SECURY ePOWER multi-point lock
- 2 Accessories on frame side
 - 2a Striker
 - 2b Latch&deadbolt striker
- 6 Latch keeper (integrated into 2b)
- 2c Striker with RSK deadbolt monitoring contact

Other components

- 3 Overhead door closer
- 4 Hardware for emergency exit devices according to EN 179
 - lever handle (see figure)Hardware for panic exit devices in accordance with EN 1125
 - Push bar or touch bar
- 5 Push/pull handle/knob
- 7a Cable link
- 8 Electronic accessories (e.g. push-button to be provided by customer, fingerprint scanner, etc.)

[2] Daytime release (TF) or controlled daytime release (KTF) not possible.



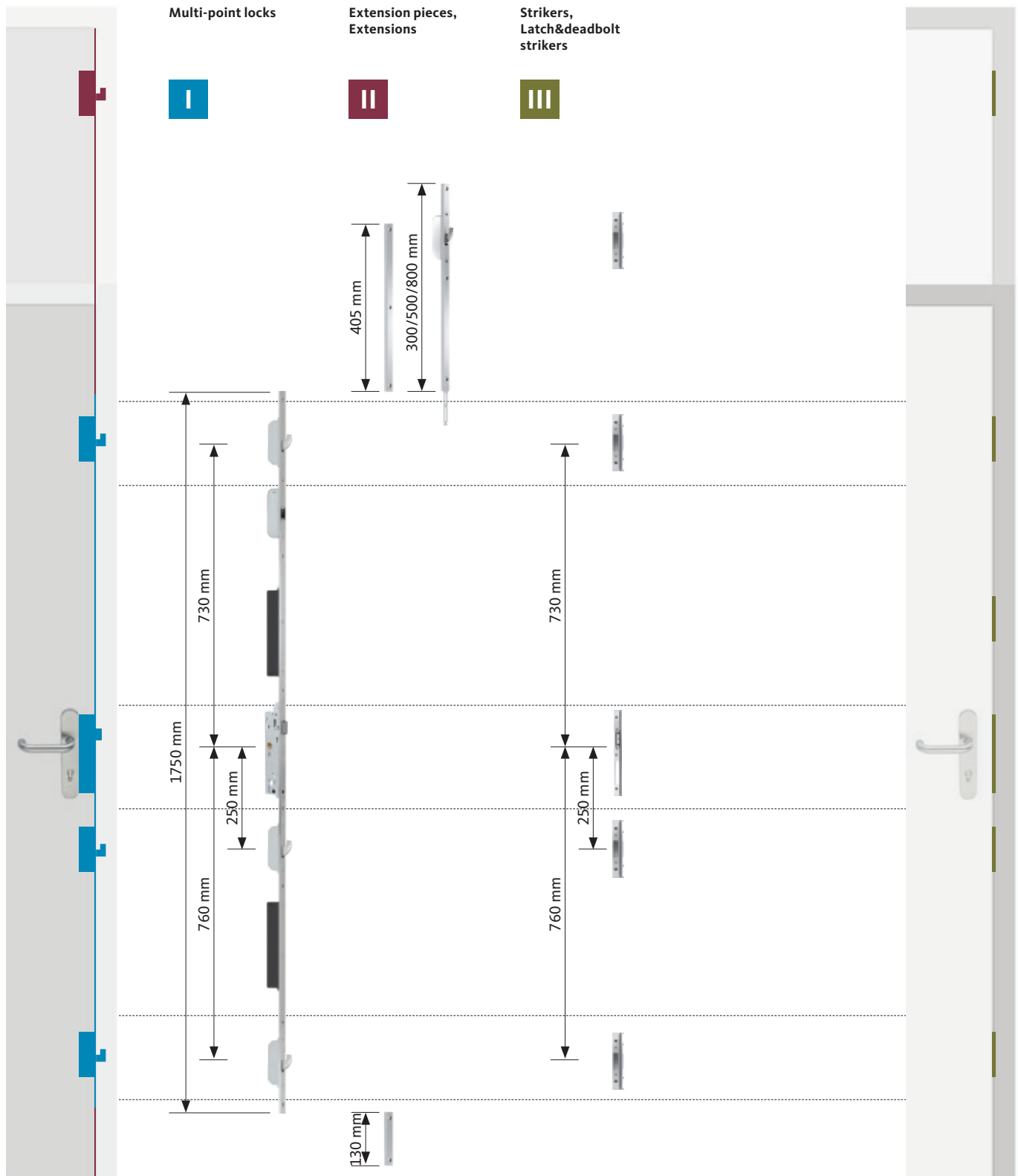
SECURY ePOWER PE1 – components

for 1-leaf outward/inward-opening doors



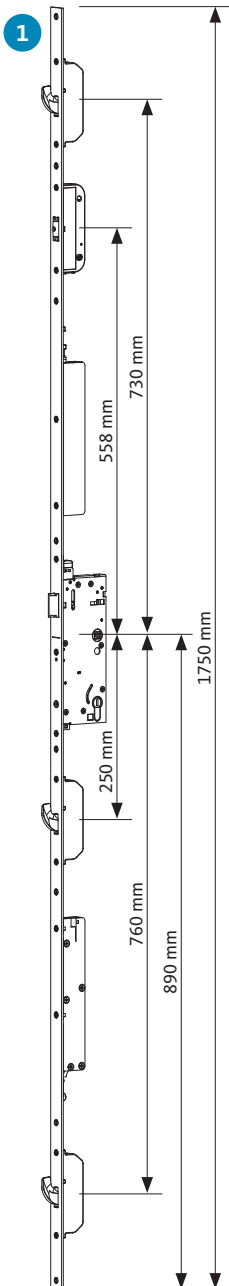
1-leaf – door leaf

1-leaf – door frame



SECURY ePOWER PE1 SH3 – 1750 mm

Square faceplate ends, distance 92 mm, for 1-leaf outward/inward-opening doors



Equipment

Main lock		Additional lock Hook bolt	Faceplate end		Hole distance	
Latch	Deadbolt		square	Round	92 mm	72 mm
■	-	■	■	-	■	-

Door leaf rebate height 1750–2285 mm, marking notch 890 mm (variable lever handle height)

Backset [mm]	Faceplate [mm]	Follower [mm]	PU	Order number	
				DIN LH	DIN RH
45	U 24 x 6	9	1	K-19900-04-L-8	K-19900-04-R-8
	24 x 3	9	1	K-19900-03-L-8	K-19900-03-R-8
40	U 24 x 6	9	1	K-19900-12-L-8*	K-19900-12-R-8*
35	U 24 x 6	9	1	K-19900-02-L-8	K-19900-02-R-8
	24 x 3	9	1	K-19900-01-L-8	K-19900-01-R-8

* on request

Function

- Panic function E

SECURY ePOWER accessories

- Installation and maintenance instructions
- Installation drawing(s) for neutral aluminium/narrow stile systems and timber systems

(not included in the scope of delivery)

- K-19879-01-0-0 connecting cable with connection plug for motor lock control, plug fuse with cable tie, 6 m long cable



Hardware

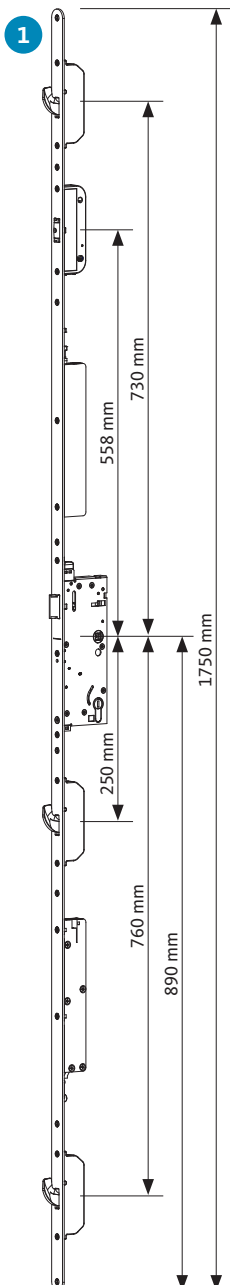
- **Outside**
Fixed knob or push/pull handle
- **Inside**
Lever handle, alternatively push bar or touch bar

Other components

- L&D striker with electric strike

SECURY ePOWER PE1 SH3 – 1750 mm

Round faceplate ends, distance 92 mm, for 1-leaf outward/inward-opening doors



Equipment

Main lock		Additional lock		Faceplate end		Hole distance	
Latch	Deadbolt	Hook bolt		square	Round	92 mm	72 mm
■	-	■		-	■	■	-

Door leaf rebate height 1750–2285 mm, marking notch 890 mm (variable lever handle height)

Backset [mm]	Faceplate [mm]	Follower [mm]	PU	Order number	
				DIN LH	DIN RH
65	24 x 3	9	1	K-19900-08-L-8	K-19900-08-R-8
	20 x 3	9	1	K-19900-05-L-8	K-19900-05-R-8

Function

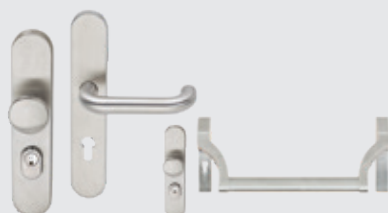
- Panic function E

SECURY ePOWER accessories

- Installation and maintenance instructions
- Installation drawing(s) for neutral aluminium/narrow stile systems and timber systems

(not included in the scope of delivery)

- K-19879-01-0-0 connecting cable with connection plug for motor lock control, plug fuse with cable tie, 6 m long cable



Hardware

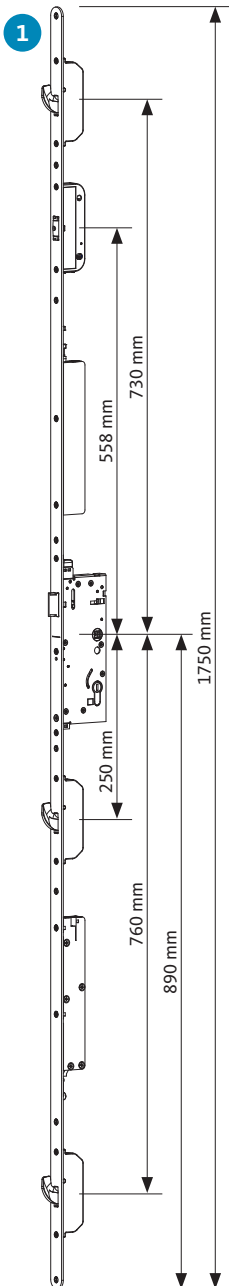
- **Outside**
Fixed knob or push/pull handle
- **Inside**
Lever handle, alternatively push bar or touch bar

Other components

- L&D striker with electric strike

SECURY ePOWER PE1 SH3 – 1750 mm

Round faceplate ends, distance 72 mm, for 1-leaf outward/inward-opening doors



Equipment

Main lock		Additional lock Hook bolt	Faceplate end		Hole distance	
Latch	Deadbolt		square	Round	92 mm	72 mm
■	-	■	-	■	-	■

Door leaf rebate height 1750–2285 mm, marking notch 890 mm (variable lever handle height)

Backset [mm]	Faceplate [mm]	Follower [mm]	PU	Order number	
				DIN LH	DIN RH
80	24 x 3	9	1	K-19900-11-L-8	K-19900-11-R-8
65	24 x 3	9	1	K-19900-07-L-8	K-19900-07-R-8
	20 x 3	9	1	K-19900-10-L-8	K-19900-10-R-8
55	24 x 3	9	1	K-19900-06-L-8	K-19900-06-R-8
	20 x 3	9	1	K-19900-09-L-8	K-19900-09-R-8

Function

- Panic function E

SECURY ePOWER accessories

- Installation and maintenance instructions
- Installation drawing(s) for neutral aluminium/narrow stile systems and timber systems

(not included in the scope of delivery)

- K-19879-01-0-0 connecting cable with connection plug for motor lock control, plug fuse with cable tie, 6 m long cable

Hardware

- **Outside**
Fixed knob or push/pull handle
- **Inside**
Lever handle, alternatively push bar or touch bar

Other components

- L&D striker with electric strike





SECURY ePOWER accessories

Designation	Order number
Fixing accessories SECURY ePOWER	K-19879-01-0-0

Use:

Connecting cable with plug for the motor lock control unit, a plug fuse with cable tie and a cable type LiYY 4 x 0,35 mm² (length 6 m) with open end for connection (to be provided by customer) to SECUREconnect 200 or external control unit.



SECURY ePOWER PT1 – functional description

Lever handle function T, for 1-leaf outward-opening doors



Inside



Outside



Hardware

- **Outside**
Lever handle
- **Inside**
Lever handle

Other components

- L&D striker with latch keeper

Functional description

Basic function

Multi-point lock with motor-driven locking and unlocking. If required, the multi-point lock can be unlocked mechanically (with the key via the reverser) or electrically (via the opening signal of an access control system). This retracts all locking elements. The locking operation on the other hand is always motor-driven after the door is closed. All locking elements are extended during this operation.

Lever handle function T

Initial state

Door is closed and locked.

Opening function from the inside

The door can basically be opened in the escape direction at any time by operating the hardware.

Opening function from outside when using an exterior lever handle

The door can be opened mechanically or electrically (see "Basic function" above).

Possible applications

- Emergency exits to EN 179 in areas not accessible to the public
- Suitable for fire and smoke protection doors
- As the lever handle is on the outside, the door can be used as a connecting door from both sides depending on the particular panic function
- Suitable for very high entrance doors only by agreement with the door fabricator (in compliance with approvals)
- Enhanced burglar protection thanks to the additional locking
- Especially suitable for combination with intercoms on entrance doors (remote opening) and automatic swing-door drives (barrier-free)
- Optional combination with electric access control and/or escape door security components





Outside

Daytime release (TF)

For frequently used doors, e.g. with a high volume of public traffic, daytime release is possible as standard.

Activation

The "Daytime release (TF)" function is activated electrically (e.g. via time switch or key switch). The door is immediately unlocked and is motor-driven. This retracts all locking elements.

Once the door has been passed through and closed, motor-driven locking does not take place.

The door is only held by the main latch when the daytime release is activated.

Opening function from outside

The door can be opened via the hardware (in this case the exterior lever handle) until the "Daytime release (TF)" function is deactivated.

Deactivation

The "Daytime release (TF)" function is electrically deactivated. Motor-driven locking of the closed door takes place immediately.

Recommendation

- Hallway doors in office buildings
- Homes for the elderly
- Underground car parks
- Secondary entrance doors
- Secondary entrance doors in kindergartens, schools and hotels

Controlled daytime release (KTF)

In addition to the daytime release (TF) function, we offer the option of a controlled daytime release (KTF).

Activation

The "Controlled daytime release (TF)" function is activated electrically (e.g. via time switch or key switch). Motor-driven unlocking of the door does not immediately take place.

The locking elements are only retracted after the door has been opened for the first time then remain permanently retracted.

The door is only held by the main latch when the daytime release is activated (KTF).

Opening function from outside

The door can be opened via the hardware (in this case the exterior lever handle) until the "Controlled daytime release (KTF)" function is deactivated.

Deactivation

The "Controlled daytime release (KTF)" function is electrically deactivated. Motor-driven locking of the closed door takes place immediately.

Note

The "Controlled daytime release (KTF)" function is only possible in combination with a cable link and not in combination with SECUREconnect.

Recommendation

- Hallway doors in office buildings
- Homes for the elderly
- Secondary entrance doors
- Secondary entrance doors in kindergartens, schools and hotels



SECURY ePOWER PT1 – functional description

Lever handle function T, for 1-leaf outward-opening doors



Inside



Outside



Hardware

- **Outside**
Lever handle
- **Inside**
Push bar or touch bar

Other components

- L&D striker with latch keeper

Functional description

Basic function

Multi-point lock with motor-driven locking and unlocking. If required, the multi-point lock can be unlocked mechanically (with the key via the reverser) or electrically (via the opening signal of an access control system). This retracts all locking elements. The locking operation on the other hand is always motor-driven after the door is closed. All locking elements are extended during this operation.

Lever handle function T

Initial state

Door is closed and locked.

Opening function from the inside

The door can basically be opened in the escape direction at any time by operating the hardware.

Opening function from outside when using an exterior lever handle

The door can be opened mechanically or electrically (see "Basic function" above).

Possible applications

- Escape doors to EN 1125 in public buildings
- Suitable for fire and smoke protection doors
- As the lever handle is on the outside, the door can be used as a connecting door from both sides depending on the particular panic function
- Suitable for very high entrance doors only by agreement with the door fabricator (in compliance with approvals)
- Enhanced burglar protection thanks to the additional locking
- Especially suitable for combination with intercoms on entrance doors (remote opening) and automatic swing-door drives (barrier-free)
- Optional combination with electric access control and/or escape door security components





Outside

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Activation

The "Controlled daytime release (TF)" function is activated electrically (e.g. via time switch or key switch). Motor-driven unlocking of the door does not immediately take place.

The locking elements are only retracted after the door has been opened for the first time then remain permanently retracted.

The door is only held by the main latch when the daytime release is activated (KTF).

Opening function from outside

The door can be opened via the hardware (in this case the exterior lever handle) until the "Controlled daytime release (KTF)" function is deactivated.

Deactivation

The "Controlled daytime release (KTF)" function is electrically deactivated. Motor-driven locking of the closed door takes place immediately.

Note

The "Controlled daytime release (KTF)" function is only possible in combination with a cable link and not in combination with SECUREconnect.

Recommendation

- Hallway doors in office buildings
- Homes for the elderly
- Secondary entrance doors
- Secondary entrance doors in kindergartens, schools and hotels

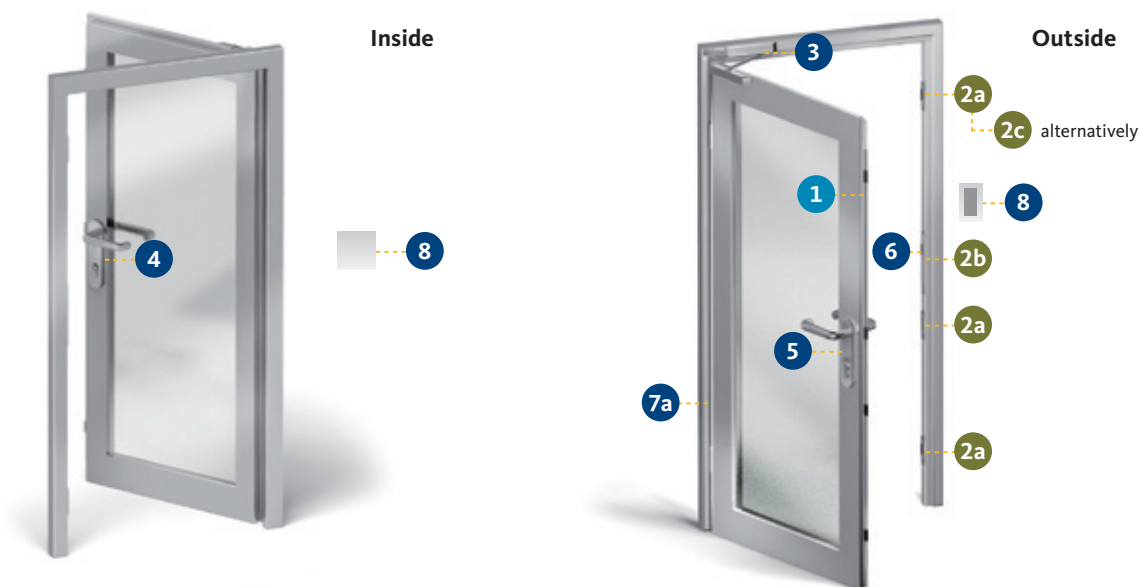


SECURY ePOWER PT1 – suggested components

for projects (public buildings), for 1-leaf outward-opening doors



Cable link and latch keeper



Components – multi-point lock

- 1 SECURY ePOWER multi-point lock
- 2 Accessories on frame side
 - 2a Striker
 - 2b Latch&deadbolt striker
 - 6 Latch keeper (integrated into 2b)
 - 2c Striker with RSK deadbolt monitoring contact

Other components

- 3 Overhead door closer
- 4 Hardware for emergency exit devices according to EN 179
 - lever handle (see figure)Hardware for panic exit devices in accordance with EN 1125
 - Push bar or touch bar
- 5 Lever handle
- 7a Cable link
- 8 Electronic accessories (e.g. push-button to be provided by customer, fingerprint scanner, etc.)

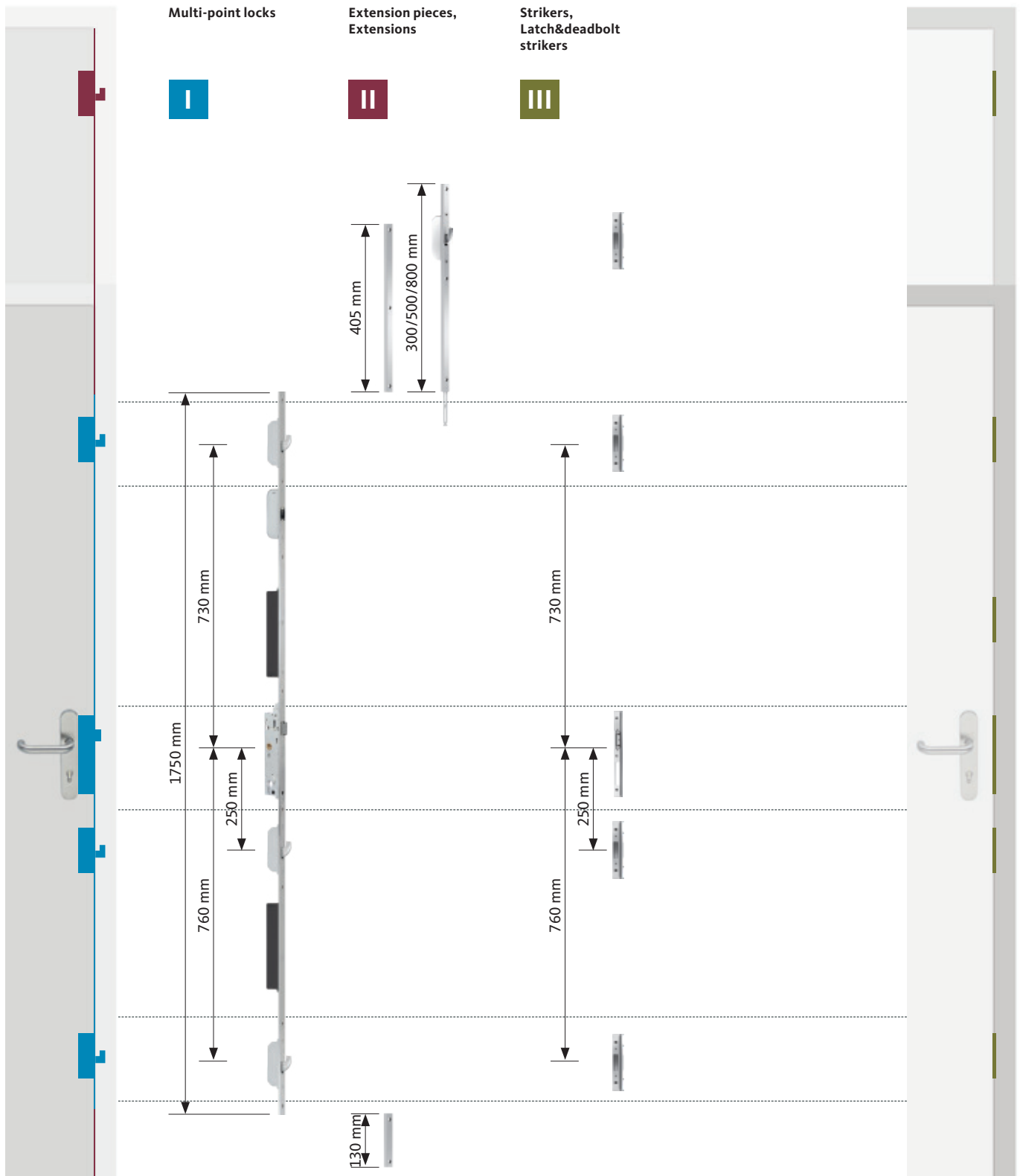
SECURY ePOWER PT1 – components

for 1-leaf outward-opening doors



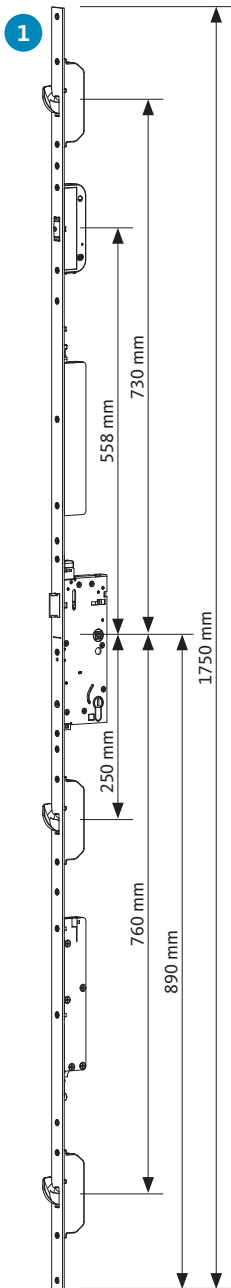
1-leaf – door leaf

1-leaf – door frame



SECURY ePOWER PT1 SH3 – 1750 mm

Square faceplate ends, distance 92 mm, for 1-leaf outward-opening doors



Equipment

Main lock		Additional lock	Faceplate end		Hole distance	
Latch	Deadbolt	Hook bolt	square	round	92 mm	72 mm
■	-	■	■	-	■	-

Door leaf rebate height 1750–2285 mm, marking notch 890 mm (variable lever handle height)

Backset [mm]	Faceplate [mm]	Follower [mm]	PU	Order number	
				DIN LH	DIN RH
45	U 24 x 6	9	1	K-19654-04-L-8	K-19654-04-R-8
	24 x 3	9	1	K-19654-03-L-8	K-19654-03-R-8
40	U 24 x 6	9	1	K-19654-12-L-8	K-19654-12-R-8
35	U 24 x 6	9	1	K-19654-02-L-8	K-19654-02-R-8
	24 x 3	9	1	K-19654-01-L-8	K-19654-01-R-8

Function

- Lever handle function T

SECURY ePOWER accessories

- Installation and maintenance instructions
- Installation drawing(s) for neutral aluminium/narrow stile systems and timber systems

(not included in the scope of delivery)

- K-19879-01-0-0 connecting cable with connection plug for motor lock control, plug fuse with cable tie, 6 m long cable



Hardware

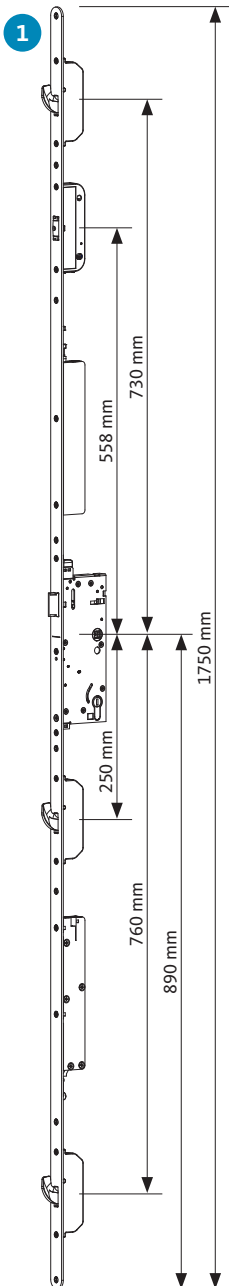
- **Outside**
Lever handle
- **Inside**
Lever handle, alternatively push bar or touch bar

Other components

- L&D striker with latch keeper

SECURY ePOWER PT1 SH3 – 1750 mm

Round faceplate ends, distance 92 mm, for 1-leaf outward-opening doors



Equipment

Main lock		Additional lock	Faceplate end		Hole distance	
Latch	Deadbolt	Hook bolt	square	round	92 mm	72 mm
■	-	■	-	■	■	-

Door leaf rebate height 1750–2285 mm, marking notch 890 mm (variable lever handle height)

Backset [mm]	Faceplate [mm]	Follower [mm]	PU	Order number	
				DIN LH	DIN RH
80	20 x 3	9	1	K-19654-19-L-8	K-19654-19-R-8
65	24 x 3	9	1	K-19654-08-L-8	K-19654-08-R-8
	20 x 3	9	1	K-19654-05-L-8	K-19654-05-R-8

Function

- Lever handle function T

SECURY ePOWER accessories

- Installation and maintenance instructions
- Installation drawing(s) for neutral aluminium/narrow stile systems and timber systems

(not included in the scope of delivery)

- K-19879-01-0-0 connecting cable with connection plug for motor lock control, plug fuse with cable tie, 6 m long cable



Hardware

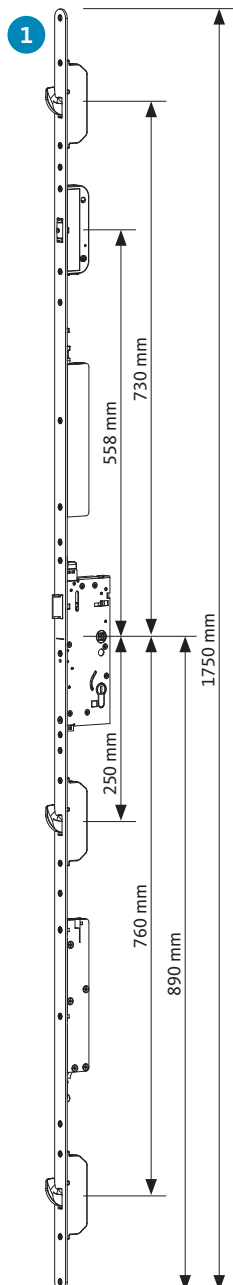
- **Outside**
Lever handle
- **Inside**
Lever handle, alternatively push bar or touch bar

Other components

- L&D striker with latch keeper

SECURY ePOWER PT1 SH3 – 1750 mm

Round faceplate ends, distance 72 mm, for 1-leaf outward-opening doors



Equipment

Main lock		Additional lock		Faceplate end		Hole distance	
Latch	Deadbolt	Hook bolt		square	round	92 mm	72 mm
■	-	■		-	■	-	■

Door leaf rebate height 1750–2285 mm, marking notch 890 mm (variable lever handle height)

Backset [mm]	Faceplate [mm]	Follower [mm]	PU	Order number	
				DIN LH	DIN RH
80	24 x 3	9	1	K-19654-11-L-8	K-19654-11-R-8
65	24 x 3	9	1	K-19654-07-L-8	K-19654-07-R-8
	20 x 3	9	1	K-19654-10-L-8	K-19654-10-R-8
55	24 x 3	9	1	K-19654-06-L-8	K-19654-06-R-8
	20 x 3	9	1	K-19654-09-L-8	K-19654-09-R-8

Function

- Lever handle function T

SECURY ePOWER accessories

- Installation and maintenance instructions
- Installation drawing(s) for neutral aluminium/narrow stile systems and timber systems

(not included in the scope of delivery)

- K-19879-01-0-0 connecting cable with connection plug for motor lock control, plug fuse with cable tie, 6 m long cable



Hardware

- **Outside**
Lever handle
- **Inside**
Lever handle, alternatively push bar or touch bar

Other components

- L&D striker with latch keeper



SECURY ePOWER accessories

Designation	Order number
Fixing accessories SECURY ePOWER	K-19879-01-0-0

Use:

Connecting cable with plug for the motor lock control unit, a plug fuse with cable tie and a cable type LiYY 4 x 0,35 mm² (length 6 m) with open end for connection (to be provided by customer) to SECUREconnect 200 or external control unit.

SECURY ePOWER NT1 – functional description

Lever handle function T, for 1-leaf inward-opening doors



Inside



Outside



Hardware

- **Outside**
Lever handle
- **Inside**
Lever handle

Other components

- L&D striker with latch keeper

Functional description

Basic function

Multi-point lock with motor-driven locking and unlocking. If required, the multi-point lock can be unlocked mechanically (with the key via the reverser) or electrically (via the opening signal of an access control system). This retracts all locking elements. The locking operation on the other hand is always motor-driven after the door is closed. All locking elements are extended during this operation.

Lever handle function T

Initial state

Door is closed and locked.

Opening function from the inside

The door can basically be opened in the escape direction at any time by operating the hardware.

Opening function from outside when using an exterior lever handle

The door can be opened mechanically or electrically (see "Basic function" above).

Possible applications

- Emergency exits to EN 179 in areas not accessible to the public
- Suitable for fire and smoke protection doors
- As the lever handle is on the outside, the door can be used as a connecting door from both sides depending on the particular panic function
- Suitable for very high entrance doors only by agreement with the door fabricator (in compliance with approvals)
- Enhanced burglar protection thanks to the additional locking
- Especially suitable for combination with intercoms on entrance doors (remote opening) and automatic swing-door drives (barrier-free)
- Optional combination with electric access control and/or escape door security components





Outside

Daytime release (TF)

For frequently used doors, e.g. with a high volume of public traffic, daytime release is possible as standard.

Activation

The "Daytime release (TF)" function is activated electrically (e.g. via time switch or key switch). The door is immediately unlocked and is motor-driven. This retracts all locking elements.

Once the door has been passed through and closed, motor-driven locking does not take place.

The door is only held by the main latch when the daytime release is activated.

Opening function from outside

The door can be opened via the hardware (in this case the exterior lever handle) until the "Daytime release (TF)" function is deactivated.

Deactivation

The "Daytime release (TF)" function is electrically deactivated. Motor-driven locking of the closed door takes place immediately.

Recommendation

- Hallway doors in office buildings
- Homes for the elderly
- Underground car parks
- Secondary entrance doors
- Secondary entrance doors in kindergartens, schools and hotels

Controlled daytime release (KTF)

In addition to the daytime release (TF) function, we offer the option of a controlled daytime release (KTF).

Activation

The "Controlled daytime release (TF)" function is activated electrically (e.g. via time switch or key switch). Motor-driven unlocking of the door does not immediately take place.

The locking elements are only retracted after the door has been opened for the first time then remain permanently retracted.

The door is only held by the main latch when the daytime release is activated (KTF).

Opening function from outside

The door can be opened via the hardware (in this case the exterior lever handle) until the "Controlled daytime release (KTF)" function is deactivated.

Deactivation

The "Controlled daytime release (KTF)" function is electrically deactivated. Motor-driven locking of the closed door takes place immediately.

Note

The "Controlled daytime release (KTF)" function is only possible in combination with a cable link and not in combination with SECUREconnect.

Recommendation

- Hallway doors in office buildings
- Homes for the elderly
- Secondary entrance doors
- Secondary entrance doors in kindergartens, schools and hotels

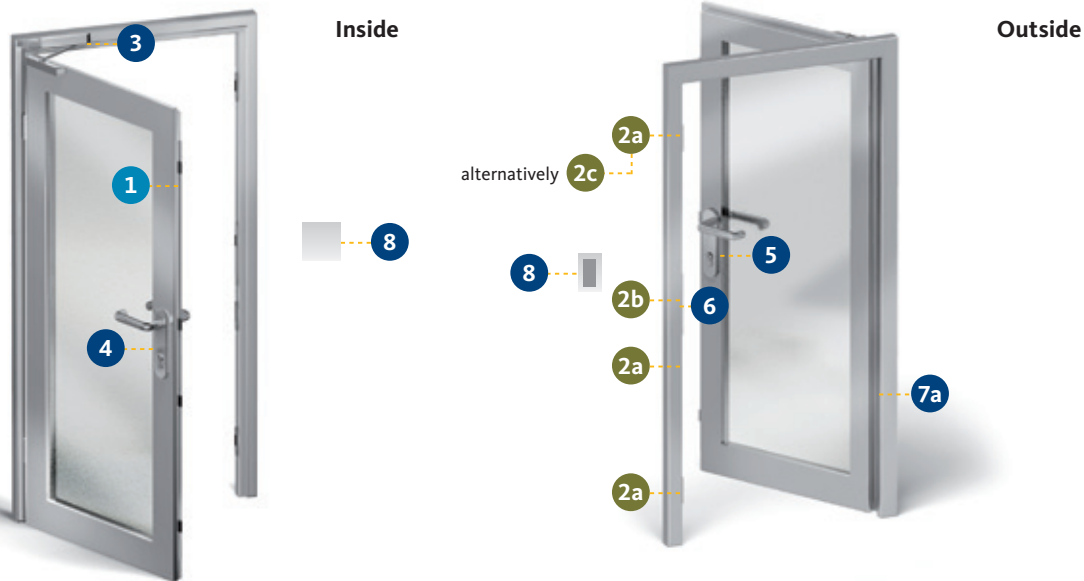


SECURY ePOWER NT1 – suggested components

for projects (public buildings), for 1-leaf inward-opening doors



Cable link and latch keeper



Components – multi-point lock

- 1 SECURY ePOWER multi-point lock
- 2 Accessories on frame side
 - 2a Striker
 - 2b Latch&deadbolt striker
- 6 Latch keeper (integrated into 2b)
- 2c Striker with RSK deadbolt monitoring contact

Other components

- 3 Overhead door closer
- 4 Hardware for emergency exit devices according to EN 179 – lever handle
- 5 Lever handle
- 7a Cable link
- 8 Electronic accessories (e.g. push-button to be provided by customer, fingerprint scanner, etc.)



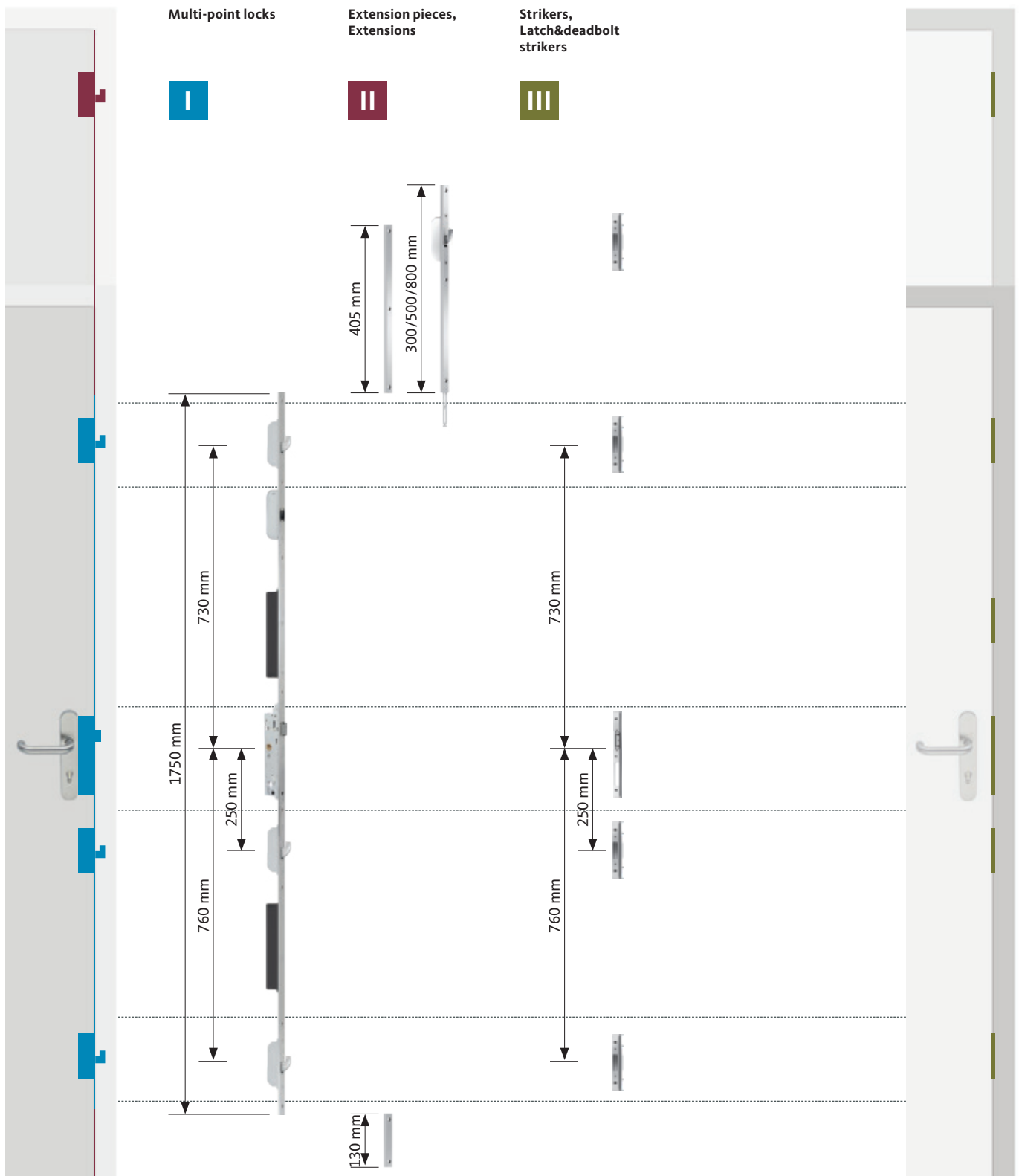
SECURY ePOWER NT1 – components

for 1-leaf inward-opening doors



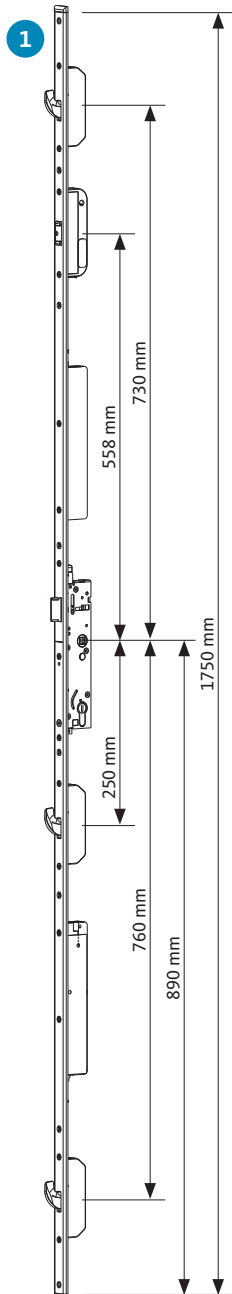
1-leaf – door leaf

1-leaf – door frame



SECURY ePOWER NT1 SH3 – 1750 mm

Square faceplate ends, distance 92 mm, for 1-leaf inward-opening doors



Equipment

Main lock		Additional lock	Faceplate end		Hole distance	
Latch	Deadbolt	Hook bolt	square	round	92 mm	72 mm
■	-	■	■	-	■	-

Door leaf rebate height 1750–2285 mm, marking notch 890 mm (variable lever handle height)

Backset [mm]	Faceplate [mm]	Follower [mm]	PU	Order number	
				DIN LH	DIN RH
35	U 24 x 6	9	1	K-19655-02-L-8	K-19655-02-R-8

more variants available on request

Function

- Lever handle function T

SECURY ePOWER accessories

- Installation and maintenance instructions
- Installation drawing(s) for neutral aluminium/narrow stile systems and timber systems

(not included in the scope of delivery)

- K-19879-01-0-0 connecting cable with connection plug for motor lock control, plug fuse with cable tie, 6 m long cable

Hardware

- **Outside**
Lever handle
- **Inside**
Lever handle

Other components

- L&D striker with latch keeper





SECURY ePOWER accessories

Designation	Order number
Fixing accessories SECURY ePOWER	K-19879-01-0-0

Use:






Connecting cable with plug for the motor lock control unit, a plug fuse with cable tie and a cable type LiYY 4 x 0,35 mm² (length 6 m) with open end for connection (to be provided by customer) to SECUREconnect 200 or external control unit.

Accessories on frame side



2

Metal profile systems

Description	Striker without adjustment	Striker with monitoring contact, without adjustment	L&D striker for electric strike	L&D striker with latch keeper	Contact plate
Dimension L [mm]	120	150	158	158	100
					
12 mm axis					
Faceplate form 24 x 3 mm	9-50880-01-0-8	6-39463-01-0-8	9-50884-01-0-8*	6-39665-01-0-8	9-50882-01-0-8
Faceplate form U 24 x 6 mm	6-39555-01-0-8	6-39464-01-0-8	6-39850-01-0-8*	6-39665-02-0-8	6-39556-01-0-8
Faceplate form U 24 x 8 mm	6-39555-02-0-8	6-39559-01-0-8	6-39850-02-0-8*	6-39665-03-0-8	6-39556-02-0-8

*Approved only in connection with electric strike



2 Timber profile systems

Description	Striker without adjustment	Striker with monitoring contact, without adjustment***	L&D striker for electric strike**	L&D striker with latch keeper	Contact plate
Dimension L [mm]	100 / 120	150	158 / 181	158 / 181	100 / 120
10 mm axis					
Faceplate form 25 x 16.5 mm	9-38551-02-0-8	6-39453-01-L-8 6-39453-01-R-8	9-51352-01-0-8*	6-39666-01-0-8	9-51368-01-0-8
13 mm axis					
Faceplate form 28 x 9 mm	6-30870-02-0-8	6-39392-02-L-8 6-39392-02-R-8	6-39853-02-0-8*	6-39667-02-0-8	6-39846-01-0-8
15 mm axis					
Faceplate form 28 x 9 mm	6-30870-03-0-8	6-39392-03-L-8 6-39392-03-R-8	6-39853-03-0-8*	6-39667-03-0-8	6-39846-01-0-8

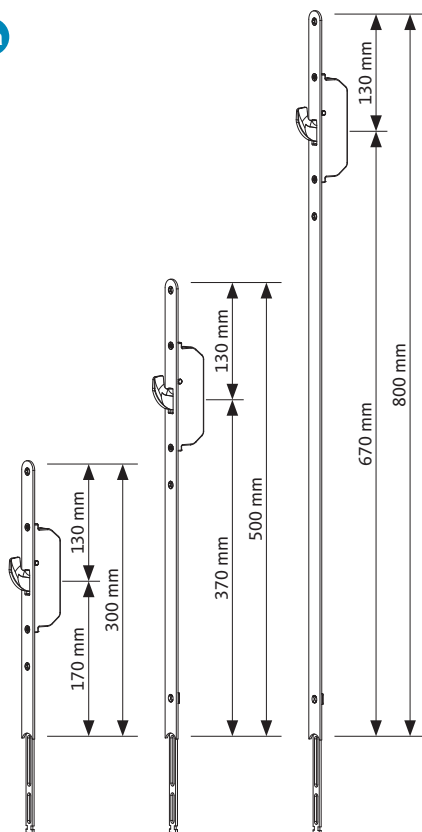
*Approved only in connection with electric strike
 **On request
 ***Suitable for locking monitoring. Actuation via the SH bolt of the multi-point lock. The monitoring contact is certified according to VdS grade C.

2 Timber profile systems – RC3-capable

Description	Mill-in striker without adjustment	Mill-in lipped striker with latch keeper	Mill-in lipped contact plate
Dimension L [mm]	174	174	100
12 mm axis			
Faceplate form 24 x 3 mm	9-51388-01-0-8	6-39862-01-0-8	9-51390-01-0-8



1a



SECURITY faceplate extensions, for extra high doors

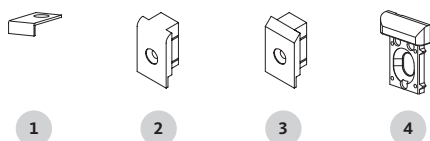
Description	Faceplate [mm]	Faceplate end	PU	Order number
Extension with SH bolt 300	U 24 x 6	square	5	6-39752-15-0-8
	24	Round at bottom/top	5	6-39752-51-0-8
	20	Round at bottom/top	5	6-39752-50-0-8
	Various	-	5	on request
Extension with SH bolt 500	U 24 x 6	square	5	6-37396-15-0-8
	24	Round at bottom/top	5	6-37396-51-0-8
	20	Round at bottom/top	5	6-37396-50-0-8
	Various	-	5	on request
Extension with SH bolt 800	U 24 x 6	square	5	6-37401-15-0-8
	24	Round at bottom/top	5	6-37401-51-0-8
	20	Round at bottom/top	5	6-37401-50-0-8
	Various	-	-	On request

Colour type: 8 = satin stainless steel

Application:

Exit devices for doors higher than 2.50 m can be implemented using individual accessories (strickers).

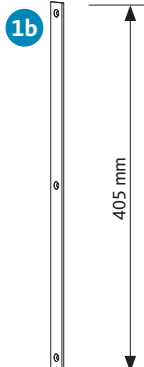
The SECURITY ePOWER multi-point locks can be variably equipped with extension pieces for 1-leaf doors. In addition, faceplate extensions with additional locks can be used, depending on the door situation.



Clamping part/end piece for timber, PVC and metal doors

Description	Faceplate [mm]	Shape	PU	Order number
1 Clamping part for flat faceplate	-	-	100	9-29498-00-0-1
2 End piece for flat faceplate	16	round	100	9-35946-01-0-1
	20	round	100	9-35946-02-0-1
3 End piece for flat faceplate	20	bevelled	100	9-35946-03-0-1
	24	bevelled	100	9-35946-04-0-1
4 End piece for U-faceplate	U 24 x 6	-	200	9-39909-01-0-6

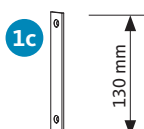
Colour type: 1 = ferGUard*silver, 6 = black coloured, RAL 9005



SECURY extension piece for timber, PVC and metal doors

Description	Faceplate [mm]	Faceplate end	PU	Order number
Top extension piece L = 405 mm For SECURY multi-point lock	U 24 x 6	square	10	9-48687-15-0-8
	24	square	10	9-48687-13-0-8
	24	square/round	10	9-48687-47-0-8
	20	square/round	10	9-48687-46-0-8
	Various	-	-	On request

Colour type: 8 = satin stainless steel



SECURY extension piece for timber, PVC and metal doors

Description	Faceplate [mm]	Faceplate end	PU	Order number
Bottom extension piece L = 130 mm For SECURY multi-point lock	U 24 x 6	square	10	9-48686-15-0-8
	24	square	10	9-48686-13-0-8
	24	square/round	10	9-48686-47-0-8
	20	square/round	10	9-48686-46-0-8
	Various	-	-	On request

Colour type: 8 = satin stainless steel



7a



Detachable cable link

Description	Order number
Concealed; 24 x 490 x 18.5 mm; without installation channel; 10-pole version	6-35193-00-0-8
Concealed; 24 x 519 x 17.5 mm; installation channel on one side; 10-pole version	6-35194-00-0-8
Concealed; 24 x 480 x 17 mm; installation channel on one side; 12-pole version	B 5527 0004
Installation kit for timber doors; 24 x 18 mm (packer for timber frames)	6-35195-00-0-0

Application: (for use in public buildings)

Protection of electrical cables with a diameter of up to 10 mm leading from door frame to door leaf. Required for example when using electrical latch monitoring and monitored escape door locks.



7b



[1]

[2]

SECUREconnect

	SC 200	SC 50
Data transmission	■	–
Power transmission	■	■
Integral power supply unit	■	■
Concealed	■	■
Detachable	■	■
Opening angle	Unlimited	Unlimited
Order number	B-55600-20-4-6*	B-55600-34-4-6*

The faceplate for the [1] sash part and [2] frame part must be ordered separately
 *The connecting cable B-55606-00-5-1 is included in the delivery and is absolutely essential

Use: (for use in private sector)

For wireless power and data transmission between frame and door leaf – the secure energy and data transmission system is suitable for all mechatronic locks of the Gretsch-Unitas group and will be expanded in this generation to include an access control interface for activation of finger scanners^[1] or code keypads^[1] in combination with SECUREconnect 200 ("Controlled daytime release (KTF)" not possible).

[1] Only in combination with SECUREconnect 200



[1]

[2]

Leaf-side and frame-side faceplates for SECUREconnect

Description	Order number	
	Leaf-side faceplate [1]	Frame-side faceplate [2]
Profile system for timber doors		
Flat faceplate 24 mm, round	9-45903-04-0-1	9-45903-03-0-1
Flat faceplate 20 mm, round	9-45903-03-0-1	9-45903-03-0-1
Profile system for metal doors		
Flat faceplate 24 mm, square	9-45903-11-0-1	9-45903-11-0-1
U-faceplate 24 x 6 mm	6-35515-04-0-1	6-35515-04-0-1

Recommendation:

The cable C56704016 is recommended when using the SECUREconnect 200 in combination with a fingerprint scanner.



Emergency power buffer

Description	Order number
Emergency power buffer	B 5490 0303

Technical data:

Operating voltage: 24 V DC $\pm 15\%$
 Current consumption: max. 1 A
 Standby: max. 30 mA
 Housing dimensions: 100 x 24 x 15 mm (L x W x H)

Application:

Avoids undefined motor positions in the event of a power failure. It cannot be used as an emergency power supply or for continuous motor-driven actuation (only in combination with cable link). The emergency power buffer blocks the electrical activation of the lock as long as no mains voltage is available. If no uninterruptible power supply is provided by customer, the emergency power buffer has to be used.

During commissioning or once the mains voltage has been restored, the lock can be activated again electrically.

Note:

When used with fire and smoke protection doors, the motor-driven SECURITY ePOWER Panic multi-point lock must be connected to at least one emergency power buffer!



UPS

Description	Order number
UPS for mounting on top-hat rail – one-time uninterruptible power supply to the multi-point lock	9-43187-00-0-0

Technical data:

Supply voltage: 12-24 V AC, $\pm 10\%$
 14-24 V DC, $\pm 10\%$
 perm. ambient temperature: 0-40°C (Ø max. 30°C)

Application:

To ensure that there is always sufficient power, also in the event of a power failure. When the door is closed, the locking hooks are moved into the locked position once (only in combination with cable link).

Note:

When used with fire and smoke protection doors, the motor-driven SECURITY ePOWER Panic multi-point lock must be connected to at least one emergency power buffer!



Plug-in power supply

Description	Order number
External switching power supply with mains cable 24 V DC, 1 A 113.5 x 52 x 62 mm (W x H x D)	B 5494 0004



Power supply unit

Description	Order number
Switching power supply for mounting on top-hat rail 24 V DC, 1.3 A 53 x 91 x 55.6 mm (W x H x D)	B 5570 0402



6a



Example: with latch slide cover



Example: without latch slide cover with high-preload controller



GU-BKS electric strike ET 8, fire rated version

Description	Voltage range	Order number	
		without Latch slide cover	with Latch slide cover
Fail-secure	9–24 V AC/DC	B-92510-00-0-8	B-92510-10-0-8
	22–26 V AC/DC	B-92510-01-0-8	B-92510-11-0-8
Fail-secure with monitoring contact	9–24 V AC/DC	B-92510-02-0-8	B-92510-12-0-8
	22–26 V AC/DC	B-92510-03-0-8	B-92510-13-0-8
Fail-secure with high-preload controller	6 – 28 V AC/DC	B-92510-20-0-8	B-92510-30-0-8
Fail-secure with monitoring contact and high-preload controller	6 – 28 V AC/DC	B-92510-21-0-8	B-92510-31-0-8

Use:

Fire rated door strikes are made of a material with a melting point above 1000°C. The electric strikes for fire-retardant doors come in fail-secure version (operating current) with or without high-preload controller.

Performance features:

Non-handed, small size, with radius keeper, pole reversal-proof spike protection, offers high resistance to attempted uplifting, optimum adaptation to the frame profile

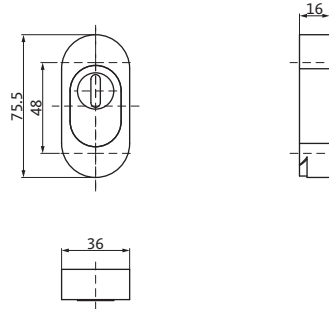
Tester for A-opener

Description	Order number
Tester for A-opener	6-33582-00-0-0

Application:

If the electrical installation has yet to be completed during the construction phase, the use of a tester for A-openers is recommended when using a cable link. As a result, the multi-point lock can be locked and unlocked the easy way by motor.





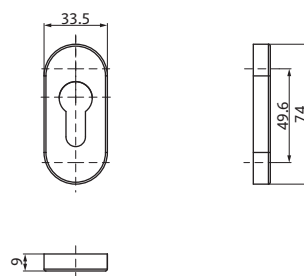
Narrow stile cylinder security rosette with plug picking protection

Versions/Order numbers

Designation	Order number
Narrow stile cylinder security rosette	B-78820-0Q-0-8

Technical details:

- Stainless steel fixing plate with solid stainless steel sliding cover
- Plug picking protection with spring-loaded mounting with automatic adaptation to profile cylinder length
- Suitable for profile cylinder projections of 11-18 mm



Narrow stile cylinder security rosette

Versions/Order numbers

Designation	Order number
Narrow stile cylinder security rosette	B-78820-0R-0-8

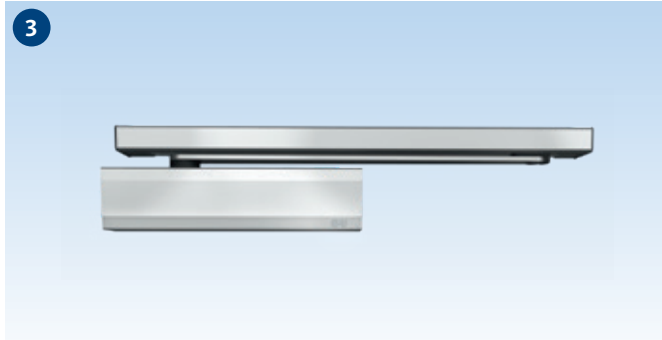
Technical details:

- Stainless steel fixing plate with solid stainless steel sliding cover

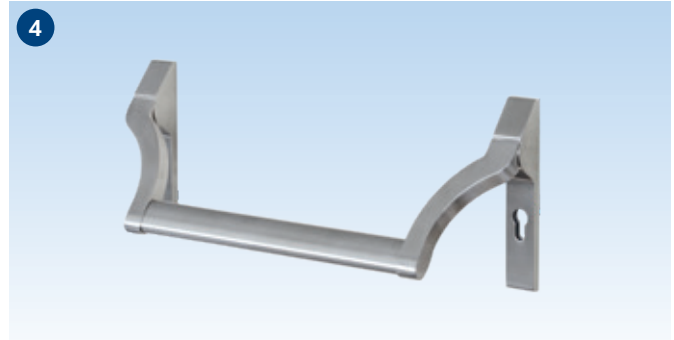
Additional accessories



Overhead door closer



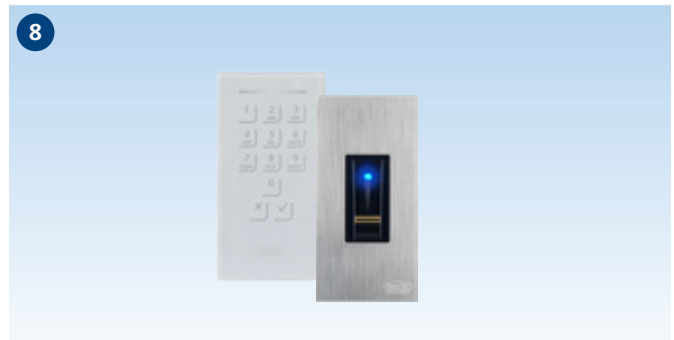
Door hardware



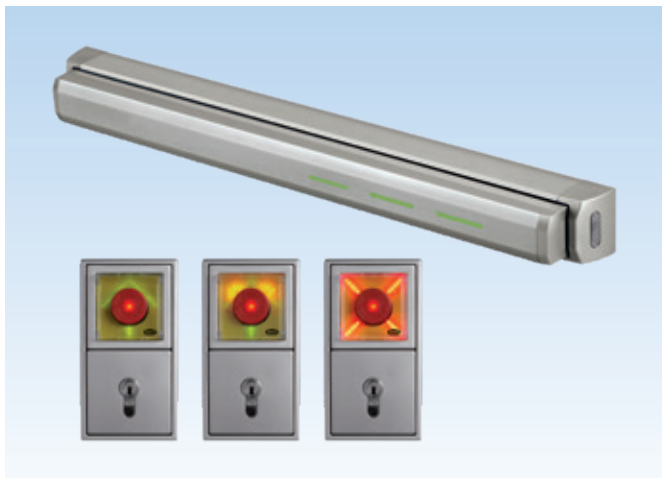
Push/pull handle/knob/lever handle



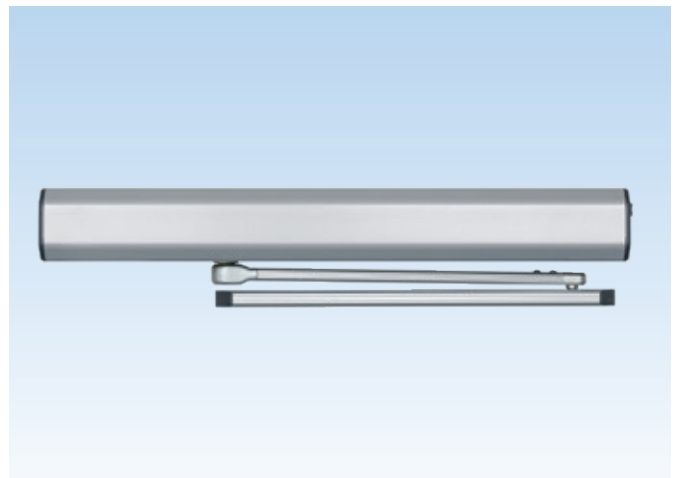
Electronic accessories



Escape door control unit (with EVT = Electrically locked touch bar)



Swing door drive DTN 80



For more information: www.g-u.com



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