

DOOR TECHNOLOGY

## Mechatronic locks – mechanics meets electronics

| A company of the Gretsch-Unitas group



## Modern technology – easy to use, efficient and safe.

### Gretsch-Unitas group

With its forward-thinking innovations, the Gretsch-Unitas group has long been shaping the market and setting pioneering standards. Convenience and security are given the highest priority when it comes to opening and closing doors.

### Quality for more than 100 years

For over a century, the Gretsch-Unitas group produces total solutions which focus not just on individual products but on the project as a whole.

### More than just products: planning, implementation, service

We assist you in all phases of implementing your individual entrance solutions. Short distances and fast, reliable service make technical and cost-optimised solutions possible, perfectly in tune with your project-specific requirements.

### System solutions as a whole

The latest market requirements are met with our wide-ranging assortment of new mechanical and electronic products in unrivalled quality. Our focus, however, is not just on individual products but on creating complete solutions that meet the latest requirements.

Features and explanation.....	4
Overview.....	6
<b>Solutions for narrow stile doors</b>	
Mortise locks	
Self-locking panic locks of series 19 – monitoring contacts.....	10
Self-locking panic locks of series 19 – electrically coupled (EK).....	14
Self-locking panic locks of series 19 – motor-driven lock (for active leaf).....	20
Self-locking panic locks of series 18 – motor-driven lock (for passive leaf).....	22
Self-locking panic locks of series 19 – motor-driven lock (for passive leaf).....	24
Multi-point locks	
Self-locking panic locks SECURY series 19 – monitoring contacts.....	26
Self-locking panic locks SECURY series 19 – electrically coupled (EK).....	28
<b>Solutions for timber and steel doors</b>	
Mortise locks	
Self-locking panic locks of series 21 – monitoring contacts.....	32
Self-locking panic locks of series 21 – electrically coupled (EK).....	36
Self-locking panic locks of series 21 – motor-driven lock (for active leaf).....	42
Self-locking panic locks of series 23 – motor-driven lock (for passive leaf).....	46
Self-locking panic locks of series 21 – motor-driven lock (for passive leaf).....	48
Multi-point locks	
Self-locking panic locks SECURY series 21 – monitoring contacts.....	50
Self-locking panic locks SECURY series 21 – electrically coupled (EK).....	52
<b>Accessories.....</b>	<b>54</b>
<b>Wiring diagrams.....</b>	<b>68</b>

## Copyright notice

© All illustrations and texts in this publication are protected by copyright. Unless otherwise stated on the image, the rights belong to the Gretsch-Unitas group. Any use of copyright protected materials without the consent of the holder of the rights is prohibited.

# Features and explanation

## Self-locking locks = automatically locking lock

The door is automatically locked when pulled shut. In this case, the latch acts as a second deadbolt (latchbolt). The lock is actuated by the trigger lever which is integrated in the latchbolt. This ensures that the lock is not locked until the door leaf is in its final closed position. This avoids malfunctions. The additional panic function ensures that the door can be opened from the inside simply by actuating the lever handle (EN 179) or push bar (EN 1125).

### ADVANTAGES AT A GLANCE

- Doors lock automatically as soon as they close
- Insurance-compliant locking due to 20 mm deadbolt projection
- Can be opened at any time in the escape direction with the panic function via the lever handle and push bar
- Can be used in full leaf doors and profile doors, for profile cylinders and Swiss round profile cylinders
- DIN left/DIN right reversible latchbolt
- Switchable panic side outward/inward
- Switchable fail-secure/fail-safe setting options on the lock case (by means of a contactor)

As far as escape and rescue routes are concerned, Gretsch-Unitas offers security as a one-stop service. After all, only coherent system solutions that are individually adapted to the conditions in the project will meet the most exacting requirements for structural safety.

**The GU BKS range comprises various model series**



Series 19 – self-locking locks for narrow stile doors

- Monitoring contacts
- Electrically coupled (EK)
- Motor-driven lock for active leaf
- Motor-driven lock for passive leaf



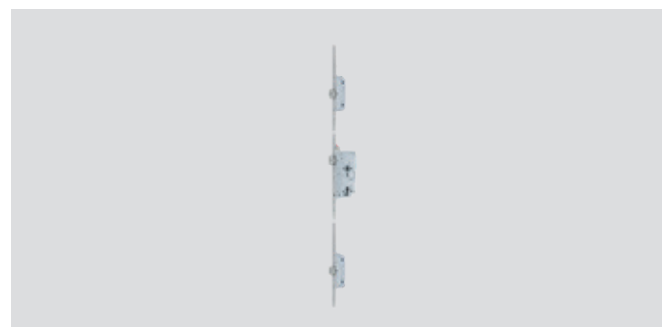
Series 21 – self-locking locks for timber and steel doors

- Monitoring contacts
- Electrically coupled (EK)
- Radio battery lock – electrically coupled (EK)
- Motor-driven lock for active and passive leaf



SECURY series 19 – self-locking locks for narrow stile doors

- Monitoring contacts
- Electrically coupled (EK)
- Motor-driven lock for active leaf



SECURY series 21 – self-locking locks for timber and steel doors

- Monitoring contacts
- Electrically coupled (EK)
- Motor-driven lock for active leaf

# Overview

Series	Self-locking locks with monitoring contacts		Self-locking locks – motor-driven lock		Self locking locks – electrically coupled (EK)	
	Series 19	Series 21	Series 19	Series 21	Series 19	Series 21
<b>Backsets for narrow stile doors</b>	35–65 mm		35–65 mm		35–65 mm	
<b>Backsets for timber and steel doors</b>	55–100 mm		55–100 mm		55–100 mm	
Non handed	■	■		■	■	■
Switchable panic side outward/inward	■	■			■	■
<b>Electronics</b>						
Unlocking time			< 1 S	< 1 S		
Integral control unit			■	■	■	■
Operating voltage			24 V	24 V	12–24 V	12–24 V
<b>Monitoring contacts</b>						
Latchbolt monitoring locked	■	■	■	■	■	■
Latchbolt monitoring unlocked			■	■		
Follower monitoring from the inside and outside	■	■	■	■	■	■
Cylinder cam monitoring	■	■	■	■	■	■
Battery operated, as radio battery lock						■
100% duty ratio			■	■	■	■
Switchable fail-secure/ fail-safe setting options					■	■
Bus wiring via I/O module				■	■	■
<b>Panic function</b>						
Panic function E	■	■	■	■		
Panic function B	■	■				
Panic function C	■	■				
Panic function with latch lever					■	■
Panic function on active and passive leaf possible	■	■	■	■	■	■
With top-locking feature	■	■			■	■
<b>Approval</b>						
Fire protection	■	■	■	■	■	■
EN 179	■	■	■	■	■	■
EN 1125	■	■	■	■	■	■
EN 14846			■	■	■	■

Self-locking multi-point locks with monitoring contacts		Self-locking multi-point locks – electrically coupled (EK)
SECURY series 19	SECURY series 21	SECURY series 19
35–65 mm		35–65 mm
	55–100 mm	
■		■
■		■
		■
		12–24 V
■	■	■
■		■
■	■	■
		■
		■
		■
■	■	
■	■	
■	■	
■		■
■	■	■
■	■	■
■	■	■
		■

The following pictographs are used in this catalogue:

- These products are approved as panic exit devices according to EN 1125.
- These products are approved as emergency exit devices according to EN 179.
- These products are suitable for use in fire rated doors.
- These products are approved as manually-actuated locks according to EN 12209.
- These products are approved as electromechanical locks according to EN 14846.
- These products are approved and evaluated by the German Association of Non-Life Insurers (VdS) according to individual directives for the prevention of loss.

## Solutions for narrow stile doors

# Efficiency and highest security.

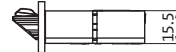
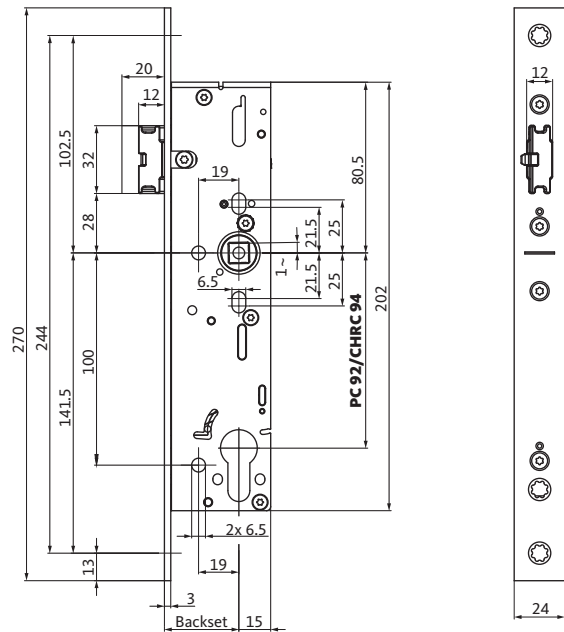
Comfortable and secure door functions for timber and steel doors. From a sophisticated panic lock for escape doors in compliance with EN 179/EN 1125 down to a simple mortise lock to DIN 18251 – here you will find the right lock for practically every application. No matter whether material assets or data have to be protected against unauthorised access and personal security is of great importance.





# Panic lock B-1910/B-1911

for single- or double-leaf doors including monitoring contacts



## Functional description

### Panic function B

Self-locking panic lock with mechanical panic function on the interior lever handle. Opening the door is possible at any time. The exterior lever handle can be engaged or disengaged mechanically using the key.

## Product description

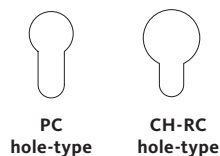
### Panic lock B-1910/B-1911

- Approved to EN 12209 for fire rated doors, EN 179 (emergency exits), EN 1125 (panic doors)
- Reversible latchbolt
- Switchable panic side outward/inward
- Satin stainless steel faceplate
- 9 mm split follower
- Automatic latchbolt, 20 mm latch projection in locked position
- PC 92 mm (CH-RC 94 mm) hole distance, including monitoring contacts

### Classification code

EN 179										
3	7	7	B	1	3	4	2	A	B/D	
EN 1125										
3	7	7	B	1	3	2	1/2	A/B	B	
EN 12209										
3	S	3	1	0	C	6	B	B	2	0

### Variants



### Standards



<b>B-1910 panic lock for 1-leaf doors</b>				
Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 270 mm	U-faceplate 24 x 6 x 2 x 268 mm
			Non-handed	Non-handed
Satin stainless steel	35	Square	B-19100-19-U-8	B-19100-25-U-8
	40	Square	B-19100-20-U-8	B-19100-26-U-8
	45	Square	B-19100-21-U-8	B-19100-27-U-8

<b>B-1910 panic lock with CH-RC hole-type for 1-leaf doors</b>				
Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 270 mm	U-faceplate 24 x 6 x 2 x 268 mm
			CH-RC hole-type	CH-RC hole-type
			Non-handed	Non-handed
Satin stainless steel	35	Square	B-19100-22-U-8	B-19100-28-U-8
	40	Square	B-19100-23-U-8	B-19100-29-U-8
	45	Square	B-19100-24-U-8	B-19100-30-U-8

<b>B-1911 panic lock for 2-leaf doors</b>				
Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 270 mm	U-faceplate 24 x 6 x 2 x 268 mm
			Non-handed	Non-handed
Satin stainless steel	35	Square	B-19110-19-U-8	B-19110-25-U-8
	40	Square	B-19110-20-U-8	B-19110-26-U-8
	45	Square	B-19110-21-U-8	B-19110-27-U-8

<b>Accessories to be ordered separately</b>	
Description	Part number
Connecting cable	B 5490 0300

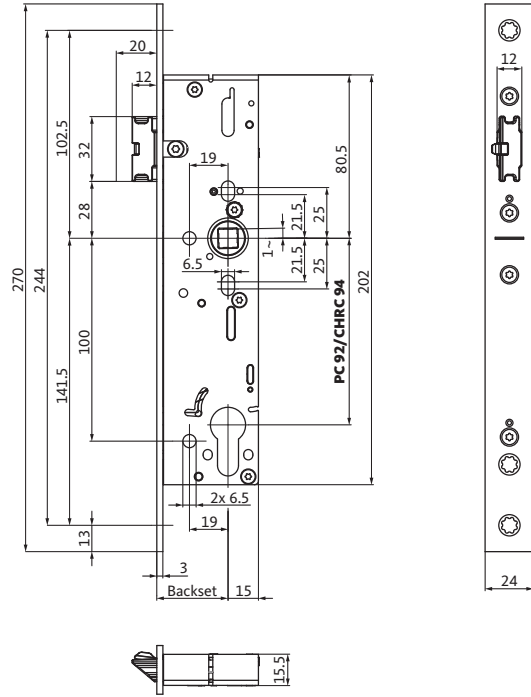
#### Including monitoring contacts

- Latchbolt (B-1910)
- Cylinder locking cam
- Exterior/interior lever handle

You can find the corresponding wiring diagram on page 66.

# Panic lock B-1916/B-1917

for single- or double-leaf doors including monitoring contacts



## Functional description

### Panic function E

Self-locking panic lock with mechanical panic function on the interior lever handle. Opening the door is possible at any time. Mechanical access from outside using the key (via the latch lever).

## Product description

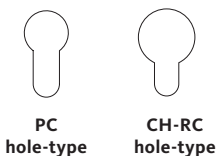
### Panic lock B-1916/B-1917

- Approved to EN 12209 for fire rated doors, EN 179 (emergency exits), EN 1125 (panic doors)
- Reversible latchbolt
- Satin stainless steel faceplate
- 9 mm follower
- Automatic latchbolt, 20 mm latch projection in locked position
- With latch lever
- 92 mm (PC), 94 mm (CH-RC) hole distance
- Including monitoring contacts

### Classification code

EN 179										
3	7	7	B	1	3	4	2	A	B/D	
EN 1125										
3	7	7	B	1	3	2	1/2	A/B	B	
EN 12209										
3	S	3	1	0	C	6	B	B	2	0

### Variants



### Standards



### B-1916 panic lock for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 270 mm	U-faceplate 24 x 6 x 2 x 268 mm
			Non-handed	Non-handed
Satin stainless steel	35	Square	B-19160-22-U-8	B-19160-28-U-8
	40	Square	B-19160-23-U-8	B-19160-29-U-8
	45	Square	B-19160-24-U-8	B-19160-30-U-8

### B-1916 panic lock with CH-RC hole-type for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 270 mm	U-faceplate 24 x 6 x 2 x 268 mm
			CH-RC hole-type	CH-RC hole-type
			Non-handed	Non-handed
Satin stainless steel	35	Square	B-19160-25-U-8	B-19160-31-U-8
	40	Square	B-19160-26-U-8	B-19160-32-U-8
	45	Square	B-19160-27-U-8	B-19160-33-U-8

### B-1916 panic lock with key-controlled latch holdback for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 270 mm	U-faceplate 24 x 6 x 2 x 268 mm
			Non-handed	Non-handed
Satin stainless steel	35	Square	B-19160-49-U-8	B-19160-52-U-8
	40	Square	B-19160-50-U-8	B-19160-53-U-8
	45	Square	B-19160-51-U-8	B-19160-54-U-8

### B-1917 panic lock for 2-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 270 mm	U-faceplate 24 x 6 x 2 x 268 mm
			Non-handed	Non-handed
Satin stainless steel	35	Square	B-19170-19-U-8	B-19170-25-U-8
	40	Square	B-19170-20-U-8	B-19170-26-U-8
	45	Square	B-19170-21-U-8	B-19170-27-U-8

### Accessories to be ordered separately

Description	Part number
Connecting cable	B 5490 0300

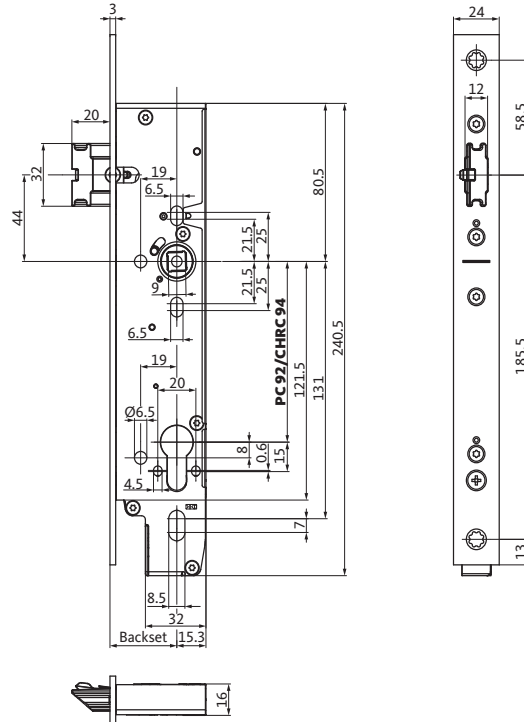
### Including monitoring contacts

- Latchbolt (B-1916)
- Cylinder locking cam
- Follower

You can find the corresponding wiring diagram on page 66.

# Electrically coupled panic locks B-1970/B-1971

for single- or double-leaf doors including monitoring contacts



## Functional description

Self-locking electrically coupled lock with manual panic function on the interior lever handle. Opening the door is possible at any time. The exterior lever handle is electrically coupled, i.e. access can be controlled electrically. Opening from outside by key (via the latch lever).

## Product description

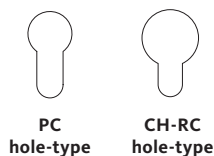
### Electrically coupled panic locks B-1970/B-1971

- Approved for fire protection doors to EN 179 (emergency exits), EN 1125 (panic doors) and EN 14846
- VDS C
- Reversible latchbolt
- Switchable panic side outward/inward
- Satin stainless steel faceplate
- 9 mm split follower, automatic latchbolt with 20 mm latch projection in lock position
- With latch lever
- 92 mm (PC), 94 mm (CH-RC) hole distance
- Integral control unit, 12–24 V DC
- Switchable fail-secure/fail-safe setting options

### Classification code

EN 179									
3	7	7	B	1	3	4	2	A	B/D
EN 1125									
3	7	7	B	1	3	2	1/2	A/B	B
EN 14846									
3	S	3	E	0	0	6	0	0	

### Variants



### Standards



### B-1970 electrically coupled panic lock for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 270 mm	U-faceplate 24 x 6 x 2 x 268 mm
			Non-handed	Non-handed
Satin stainless steel	35	Square	B-19700-00-U-8	B-19700-11-U-8
	40	Square	B-19700-02-U-8	B-19700-13-U-8
	45	Square	B-19700-04-U-8	B-19700-14-U-8

### B-1970 electrically coupled panic lock with CH-RC hole-type for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 270 mm	U-faceplate 24 x 6 x 2 x 268 mm
			CH-RC hole-type Non-handed	CH-RC hole-type Non-handed
Satin stainless steel	35	Square	B-19700-01-U-8	B-19700-12-U-8
	40	Square	B-19700-03-U-8	-
	45	Square	B-19700-05-U-8	-

### B-1971 electrically coupled panic lock for 2-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 270 mm	U-faceplate 24 x 6 x 2 x 268 mm
			Non-handed	Non-handed
Satin stainless steel	35	Square	B-19710-00-U-8	B-19710-11-U-8
	40	Square	B-19710-02-U-8	B-19710-13-U-8
	45	Square	B-19710-04-U-8	B-19710-14-U-8

### B-1971 electrically coupled panic lock with CH-RC hole-type for 2-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 270 mm	U-faceplate 24 x 6 x 2 x 268 mm
			CH-RC hole-type Non-handed	CH-RC hole-type Non-handed
Satin stainless steel	35	Square	B-19710-01-U-8	B-19710-12-U-8
	40	Square	B-19710-03-U-8	-
	45	Square	B-19710-05-U-8	-

### Accessories to be ordered separately

Description	Order number
Connecting cable	B 5490 0300
Power supply unit (24 V DC/1 A)	B 5494 0004
I/O module EK	B-54900-03-3-9

### Including monitoring contacts

- Latchbolt
- Cylinder locking cam
- Exterior/interior lever handle

You can find the corresponding wiring diagram on page 67.



### B-1975 electrically coupled lock for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 270 mm	U-faceplate 24 x 6 x 2 x 268 mm
			Non-handed	Non-handed
Satin stainless steel	35	Square	B-19750-00-U-8	B-19750-03-U-8
	40	Square	B-19750-01-U-8	
	45	Square	B-19750-02-U-8	B-19750-04-U-8
	65	Square	B-19750-05-U-8	

### Accessories to be ordered separately

Description	Order number
Connecting cable	B 5490 0300
Power supply unit (24 V DC/1 A)	B 5494 0004
I/O module EK	B-54900-03-3-9

### Including monitoring contacts

- Latchbolt
- Cylinder locking cam
- Exterior/interior lever handle

You can find the corresponding wiring diagram on page 67.



### B-1980 electrically coupled panic lock for 1-leaf doors with top-locking feature

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 320 mm	U-faceplate 24 x 6 x 2 x 318 mm
			Non-handed	Non-handed
Satin stainless steel	35	Square	B-19800-00-U-8	B-19800-06-U-8
	40	Square	B-19800-02-U-8	-
	45	Square	B-19800-03-U-8	-

### B-1981 electrically coupled panic lock for 2-leaf doors with top-locking feature

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 320 mm
			Non-handed
Satin stainless steel	35	Square	B-19810-00-U-8
	40	Square	B-19810-02-U-8
	45	Square	B-19810-03-U-8

### Accessories to be ordered separately

Description	Order number
Connecting cable	B 5490 0300
Power supply unit (24 V DC/1 A)	B 5494 0004
I/O module EK	B-54900-03-3-9

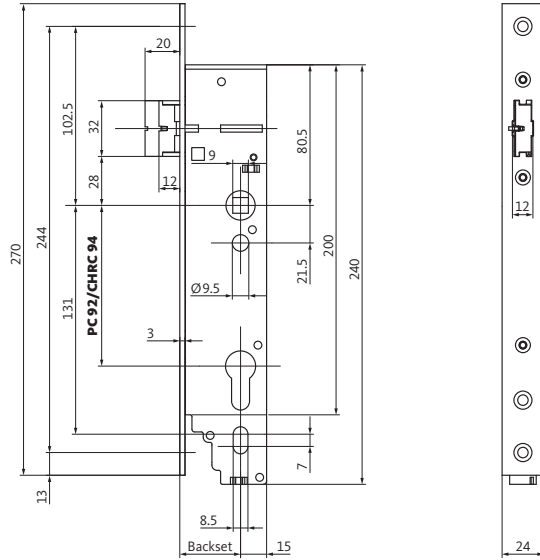
### Including monitoring contacts

- Latchbolt
- Cylinder locking cam
- Exterior/interior lever handle

You can find the corresponding wiring diagram on page 67.

# Panic motor-driven lock B 1956/B 1959

for single- or double-leaf doors including monitoring contacts



## Functional description

### Panic function E

Self-locking motor-driven panic lock with mechanical panic function on the interior lever handle. Opening the door is possible at any time. Access from the outside can be gained mechanically using only the key via the latch lever or via electrical control.

## Product description

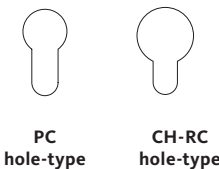
### Panic motor-driven lock B 1956/B 1959

- Approved for fire protection doors to EN 179 (emergency exits), EN 1125 (panic doors) and EN 14846
- VDS C
- Satin stainless steel faceplate
- 9 mm follower
- Automatic latchbolt, 20 mm latch projection in locked position
- With latch lever
- 92 mm (PC), 94 mm (CH-RC) hole distance
- Integral control unit, 24 V DC

### Classification code

EN 179										
3	7	7	B	1	3	4	2	A	B/D	
EN 1125										
3	7	7	B	1	3	2	1/2	A/B	B	
EN 14846										
3	S	3	E	0	0	6	0	0		

### Variants



### Standards



### B 1956 motor-driven panic lock for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 270 mm		U-faceplate 24 x 6 x 2 x 268 mm	
			DIN LH	DIN RH	DIN LH	DIN RH
Satin stainless steel	35	Square	B 1956 0003	B 1956 0004	B 1956 0503	B 1956 0504
	40	Square	B 1956 0005	B 1956 0006	B 1956 0505	B 1956 0506
	45	Square	B 1956 0007	B 1956 0008	B 1956 0507	B 1956 0508
	50	Square	B 1956 0009	B 1956 0010	-	-
	55	Square	B 1956 0011	B 1956 0012	-	-
	60	Square	B 1956 0013	B 1956 0014	-	-
	65	Square	B 1956 0015	B 1956 0016	-	-

Including B 5490 0300 connecting cable

### B 1959 motor-driven panic lock for 2-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 270 mm		U-faceplate 24 x 6 x 2 x 268 mm	
			DIN LH	DIN RH	DIN LH	DIN RH
Satin stainless steel	35	Square	B 1959 0003	B 1959 0004	B 1959 0503	B 1959 0504
	40	Square	B 1959 0005	B 1959 0006	B 1959 0505	B 1959 0506
	45	Square	B 1959 0007	B 1959 0008	B 1959 0507	B 1959 0508
	50	Square	B 1959 0009	B 1959 0010	-	-
	55	Square	B 1959 0011	B 1959 0012	-	-
	60	Square	B 1959 0013	B 1959 0014	-	-
	65	Square	B 1959 0015	B 1959 0016	-	-

Including B 5490 0300 connecting cable

### Accessories to be ordered separately

Description	Order number
Emergency power buffer	B 5490 0301

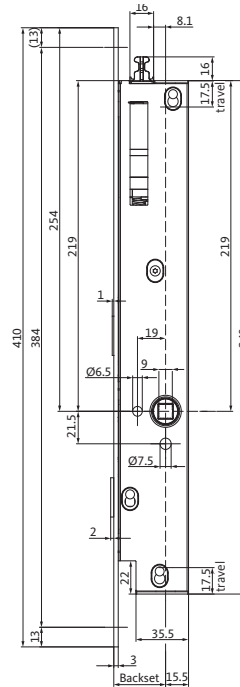
### Including monitoring contacts

- Latchbolt
- Cylinder locking cam
- Follower
- Function output

You can find the corresponding wiring diagram on page 68.

# B-1893 motor-driven shoot-bolt lock

for automatic locking of the passive leaf, including monitoring contacts



## Functional description

The motor-driven shoot-bolt lock for the passive leaf of double-leaf doors is opened electrically via a separate control unit. Only the active leaf can be opened without unlocking the passive leaf. Or the vertical rods are retracted by motor and the inactive and active leaf are opened. A motor-driven lock on the active leaf is thus not required.

## Product description

### B-1893 motor-driven shoot-bolt lock

- Approved for fire protection doors to EN 179 (emergency exits), EN 1125 (panic doors) and EN 14846
- Satin stainless steel faceplate
- 9 mm follower
- Including latch and deadbolt monitoring
- Operating voltage 24 V DC

#### Classification code

##### EN 179

3	7	7	B	1	3	4	1/2	A	C
---	---	---	---	---	---	---	-----	---	---

##### EN 1125

3	7	7	B	1	3	2	1/2	A/B	C
---	---	---	---	---	---	---	-----	-----	---

##### EN 14846

3	S	3	E	0	0	0	0	0	
---	---	---	---	---	---	---	---	---	--

#### Standards



### B-1893 motor-driven shoot-bolt lock

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 410 mm Non-handed	U-faceplate 24 x 6 x 2 x 408 mm Non-handed
Satin stainless steel	35	Square	B-18930-00-0-8	B-18930-10-0-8
	40	Square	B-18930-01-0-8	B-18930-11-0-8
	45	Square	B-18930-02-0-8	B-18930-12-0-8
	65	Square	B-18930-06-0-8	-
	80	Square	B-18930-09-0-8	-

### Accessories to be ordered separately

Description	Order number
Control unit for motor-driven lock	B-54900-01-3-9
Connecting cable	B 5490 0300
Power supply unit (24 V DC/4.2 A)	B 5570 0401
Emergency power buffer for fire rated doors	B-54903-23-3-9
DIN rail housing for control unit, emergency power buffer, power supply unit	B 5495 0251

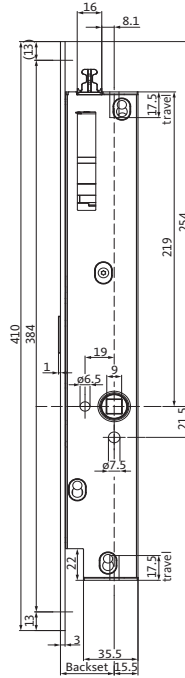
### Including monitoring contacts

- Latch monitoring contact
- Deadbolt monitoring contact
- Locked position (locked/unlocked)

You can find the corresponding wiring diagram on page 70.

# B-1993 motor-driven shoot-bolt lock

for automatic locking including monitoring contacts



## Functional description

The motor-driven shoot-bolt lock for the passive leaf of double-leaf doors is opened electrically via a separate control unit. Only the active leaf can be opened without unlocking the passive leaf. Or the vertical rods are retracted by motor and the inactive and active leaf are opened. A motor-driven lock on the active leaf is thus not required.

## Product description

### B-1993 motor-driven shoot-bolt lock

- Approved for fire protection doors to EN 179 (emergency exits), EN 1125 (panic doors) and EN 14846
- Satin stainless steel faceplate
- 9 mm follower
- Including latch monitoring contact
- Operating voltage 24 V DC

### Classification code

<b>EN 179</b>									
3	7	7	B	1	3	4	1/2	A	C
<b>EN 1125</b>									
3	7	7	B	1	3	2	1/2	A/B	C
<b>EN 14846</b>									
3	S	3	E	0	0	0	0	0	0

### Standards



### B-1993 motor-driven shoot-bolt lock

Faceplate Finish	Backset, mm	Faceplate Shape	Faceplate 24 x 3 x 410 mm Non-handed
Satin stainless steel	35	Square	B-19930-00-0-8
	40	Square	B-19930-01-0-8
	45	Square	B-19930-02-0-8
	65	Square	B-19930-06-0-8

### B-1993 motor-driven shoot-bolt lock

Faceplate Finish	Backset, mm	Faceplate Shape	U-faceplate 24 x 6 x 2 x 408 mm Non-handed
Satin stainless steel	34	Square	B-19930-12-0-8
	39	Square	B-19930-11-0-8
	44	Square	B-19930-10-0-8

### Accessories to be ordered separately

Description	Order number
Control unit for motor-driven lock	B-54900-01-3-9
SHEV control unit for motor-driven locks (for SHEV systems)	B-54900-01-4-9
Connecting cable	B 5490 0300
Power supply unit (24 V DC/4.2 A)	B 5570 0401
Emergency power buffer for fire rated doors	B-54903-23-3-9
DIN rail housing for control unit, emergency power buffer, power supply unit	B 5495 0251

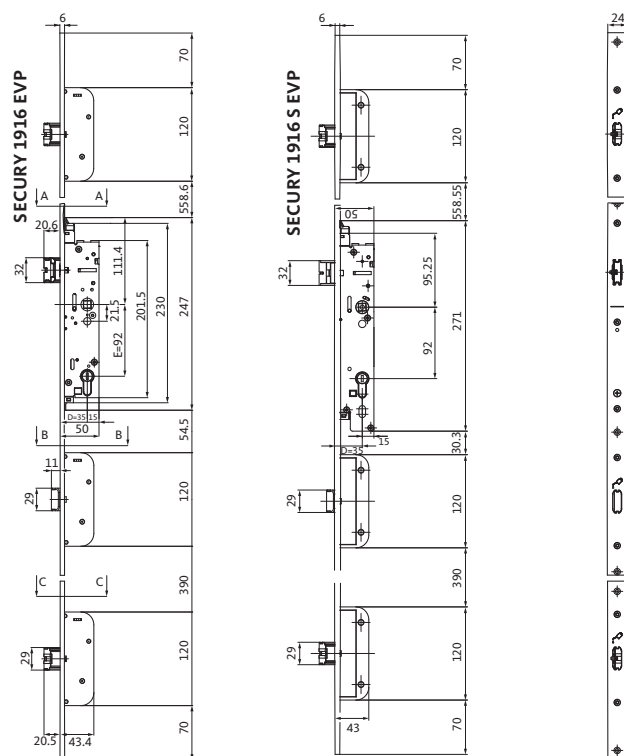
#### Including monitoring contacts

- Latchbolt monitoring contact
- Locked position (locked/unlocked)

You can find the corresponding wiring diagram on page 70.

# SECURY 1916 EVP/SECURY 1916 S EVP

electrically-locking panic lock for single-leaf doors, including monitoring contacts



## Functional description

### Panic function E

Self-locking panic lock with mechanical panic function on the interior lever handle. Opening the door is possible at any time. Mechanical access from outside using the key (via the latch lever).

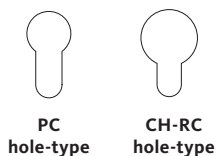
## Product description

### SECURY 1916 EVP / SECURY 1916 S EVP

- Approved to EN 179 (emergency exits) and EN 1125 (panic doors)
- Reversible latchbolt
- Satin stainless steel faceplate
- 9 mm follower
- Triple automatic latchbolt, 20 mm latch/deadbolt projection in locked position
- With latch lever
- 92 mm (PC), 94 mm (CH-RC) hole distance
- Including monitoring contacts

Classification code									
EN 179									
3	7	7	B	1	3	4	2	A	B/D
EN 1125									
3	7	7	B	1	3	2	1/2	A/B	B

### Variants



### Standards



### SECURY 1916 electrically-locking panic lock for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 1750 m Non-handed	U-faceplate 24 x 6 x 2 x 1750 mm Non-handed
Satin stainless steel	35	Square	6-B1916-37-L-8	6-B1916-24-L-8
	40	Square	-	6-B1916-44-L-8
	45	Square	6-B1916-29-L-8	6-B1916-31-L-8

### SECURY 1916 electrically-locking panic lock with lock monitoring for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 1750 m Non-handed	U-faceplate 24 x 6 x 2 x 1750 mm Non-handed
Satin stainless steel	35	Square	-	6-B1916-20-L-8
	40	Square	-	6-B1916-46-L-8
	45	Square	-	6-B1916-47-L-8

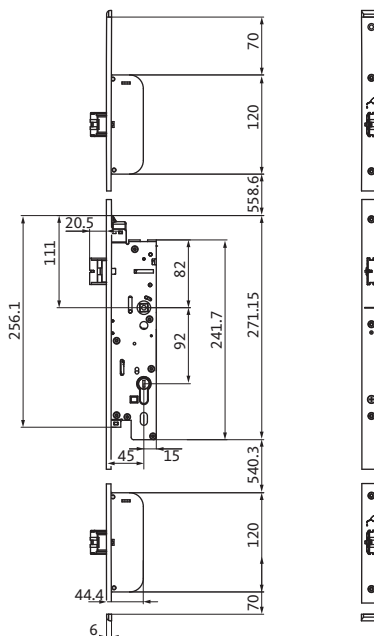
#### Including monitoring contacts

- Latchbolt
- Cylinder locking cam
- Follower

You can find the corresponding wiring diagram on page 66.

# SECURY 1970 EK/1971 EK

for single- or double-leaf doors (fail-secure), including monitoring contacts



## Functional description

Self-locking electrically coupled lock with manual panic function on the interior lever handle. Opening the door is possible at any time. The exterior lever handle is electrically coupled, i.e. access can be controlled electrically. Opening from outside by key (via the latch lever).

## Product description

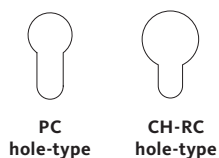
### SECURY 1970 EK / SECURY 1971 EK

- Approved to: EN 179 (emergency exits), EN 1125 (panic doors) and EN 14846
- VDS C
- Reversible latchbolt
- Switchable panic side outward/inward
- Satin stainless steel faceplate
- 9 mm split follower
- Triple automatic latchbolt, 20 mm latch/deadbolt projection in locked position
- With latch lever
- 92 mm (PC), 94 mm (CH-RC) hole distance
- Integral control unit/12–24 V DC
- Switchable fail-secure/fail-safe setting options

### Classification code

EN 179									
3	7	7	B	1	3	4	2	A	B/D
EN 1125									
3	7	7	B	1	3	2	1/2	A/B	B
EN 14846									
3	S	3	E	0	0	6	0	0	

### Variants



### Standards



### SECURY 1970 electrically coupled panic lock for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 1750 m Non-handed	U-faceplate 24 x 6 x 2 x 1750 mm Non-handed
Satin stainless steel	35	Square	6-B1970-02-L-8	6-B1970-01-L-8
	40	Square	-	6-B1970-04-L-8
	45	Square	6-B1970-03-L-8	6-B1970-05-L-8

### SECURY 1970 electrically coupled panic lock with CH-RC-hole-type for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 1750 m CH-RC hole-type Non-handed	U-faceplate 24 x 6 x 2 x 1750 mm CH-RC hole-type Non-handed
Satin stainless steel	35	Square	6-B1970-06-L-8	6-B1970-08-L-8
	40	Square	-	-
	45	Square	6-B1970-07-L-8	-

### SECURY 1971 electrically coupled panic lock for 2-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 1750 m Non-handed	U-faceplate 24 x 6 x 2 x 1750 mm Non-handed
Satin stainless steel	35	Square	6-B1971-02-L-8	6-B1971-01-L-8
	40	Square	-	6-B1971-04-L-8
	45	Square	6-B1971-03-L-8	6-B1971-07-L-8

### SECURY 1971 electrically coupled panic lock with CH-RC hole-type for 2-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 1750 m CH-RC hole-type Non-handed	U-faceplate 24 x 6 x 2 x 1750 mm CH-RC hole-type Non-handed
Satin stainless steel	35	Square	6-B1971-05-L-8	6-B1971-06-L-8
	40	Square	-	-
	45	Square	-	-

### Accessories to be ordered separately

Description	Order number
A-opener kit (including 6 m connecting cable)	K-18153-01-0-0
Connecting cable	B 5490 0300
Power supply unit (24 V DC/1 A)	B 5494 0004
I/O module EK	B-54900-03-3-9

### Including monitoring contacts

- Latchbolt
- Cylinder locking cam
- Follower

You can find the corresponding wiring diagram on page 67.

# Access control, escape door security, suitability for use on escape doors and accessibility

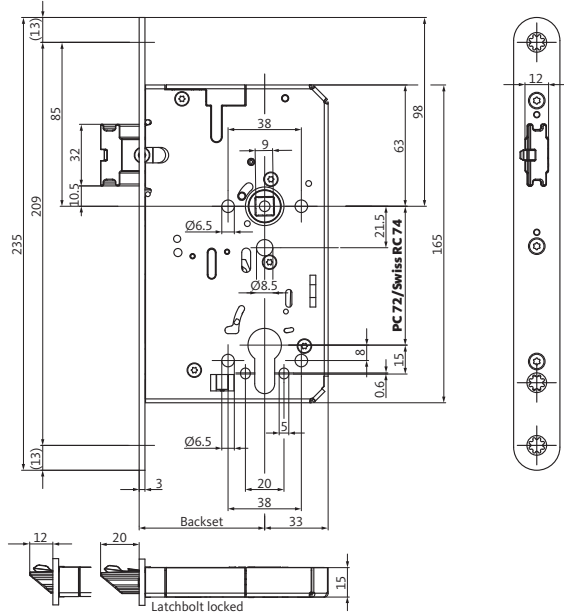
Our extensive assortment of products allows to fulfil the most diverse project requirements when it comes to controlling access authorisations related to times, persons, and areas. From the access to company premises or to the interior of buildings right through to any entrance outside or within a building.





# Panic locks B-2110/B-2111

for single- or double-leaf doors including monitoring contacts



## Functional description

### Panic function B

Self-locking panic lock with mechanical panic function on the interior lever handle. Opening the door is possible at any time. The exterior lever handle can be engaged or disengaged mechanically using the key.

## Product description

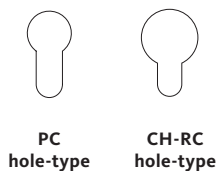
### Panic locks B-2110/B-2111

- Approved to EN 12209 for fire rated doors, EN 179 (emergency exits), EN 1125 (panic doors)
- Reversible latchbolt
- Switchable panic side outward/inward
- Satin stainless steel faceplate
- 9 mm split follower
- Automatic latchbolt, 20 mm latch projection in locked position
- 72 mm (PC), 74 mm (CH-RC) hole distance
- Including monitoring contacts

### Classification code

EN 179										
3	7	7	B	1	3	4	2	A	B/D	
EN 1125										
3	7	7	B	1	3	2	1/2	A/B	B	
EN 12209										
3	S	3	1	0	C	6	B	B	2	0

### Variants



### Standards



### B-2110 panic lock for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 235 mm		Faceplate 24 x 3 x 235 mm
			DIN LH	DIN RH	Non-handed
Satin stainless steel	55	Round	B-21100-05-L-8	B-21100-05-R-8	B-21100-25-L-8*
	60	Round	B-21100-06-L-8	B-21100-06-R-8	B-21100-26-L-8*
	65	Round	B-21100-07-L-8	B-21100-07-R-8	B-21100-27-L-8*
	80	Round	B-21100-08-L-8	B-21100-08-R-8	B-21100-28-L-8*
	100	Round	B-21100-09-L-8	B-21100-09-R-8	B-21100-29-L-8*

### B-2110 panic lock with CH-RC hole-type for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 235 mm CH-RC hole-type		Faceplate 24 x 3 x 235 mm CH-RC hole-type
			DIN LH	DIN RH	Non-handed
Satin stainless steel	55	Round	B-21100-15-L-8	B-21100-15-R-8	B-21100-35-L-8*
	60	Round	B-21100-16-L-8	B-21100-16-R-8	B-21100-36-L-8*
	65	Round	B-21100-17-L-8	B-21100-17-R-8	B-21100-37-L-8*
	80	Round	B-21100-18-L-8	B-21100-18-R-8	B-21100-38-L-8*
	100	Round	B-21100-19-L-8	B-21100-19-R-8	B-21100-39-L-8*

### B-2111 panic lock for 2-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 235 mm		Faceplate 24 x 3 x 235 mm
			DIN LH	DIN RH	Non-handed
Satin stainless steel	55	Round	B-21110-05-L-8	B-21110-05-R-8	B-21110-25-L-8*
	60	Round	B-21110-06-L-8	B-21110-06-R-8	B-21110-26-L-8*
	65	Round	B-21110-07-L-8	B-21110-07-R-8	B-21110-27-L-8*
	80	Round	B-21110-08-L-8	B-21110-08-R-8	B-21110-28-L-8*
	100	Round	B-21110-09-L-8	B-21110-09-R-8	B-21110-29-L-8*

#### \*Make 1 out of 8 – and 8 out of 1

- Reversible latch (non-handed)
- Switchable panic side (outward/inward)
- Adaptable top-locking feature

#### Accessories to be ordered separately

Description	Part number
Connecting cable	B 5490 0300

#### Including monitoring contacts

- Latchbolt (B-2110)
- Cylinder locking cam
- Exterior/interior lever handle

You can find the corresponding wiring diagram on page 74.



### B-2116 panic lock for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 235 mm		Faceplate 24 x 3 x 235 mm
			DIN LH	DIN RH	Non-handed
Satin stainless steel	55	Round	B-21160-10-L-8	B-21160-10-R-8	B-21160-50-L-8*
	60	Round	B-21160-11-L-8	B-21160-11-R-8	B-21160-51-L-8*
	65	Round	B-21160-12-L-8	B-21160-12-R-8	B-21160-52-L-8*
	80	Round	B-21160-13-L-8	B-21160-13-R-8	B-21160-53-L-8*
	100	Round	B-21160-14-L-8	B-21160-14-R-8	B-21160-54-L-8*

### B-2116 panic lock with key-controlled latch holdback for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 235 mm Key-controlled latch holdback		Faceplate 24 x 3 x 235 mm Key-controlled latch holdback
			DIN LH	DIN RH	Non-handed
Satin stainless steel	55	Round	B-21160-15-L-8	B-21160-15-R-8	B-21160-55-L-8*
	60	Round	B-21160-16-L-8	B-21160-16-R-8	B-21160-56-L-8*
	65	Round	B-21160-17-L-8	B-21160-17-R-8	B-21160-57-L-8*
	80	Round	B-21160-18-L-8	B-21160-18-R-8	B-21160-58-L-8*
	100	Round	B-21160-19-L-8	B-21160-19-R-8	B-21160-59-L-8*

### B-2116 panic lock with CH-RC hole-type for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 235 mm CH-RC hole-type		Faceplate 24 x 3 x 235 mm CH-RC hole-type
			DIN LH	DIN RH	Non-handed
Satin stainless steel	55	Round	B-21160-30-L-8	B-21160-30-R-8	B-21160-70-L-8*
	60	Round	B-21160-31-L-8	B-21160-31-R-8	B-21160-71-L-8*
	65	Round	B-21160-32-L-8	B-21160-32-R-8	B-21160-72-L-8*
	80	Round	B-21160-33-L-8	B-21160-33-R-8	B-21160-73-L-8*
	100	Round	B-21160-34-L-8	B-21160-34-R-8	B-21160-74-L-8*

### B-2117 panic lock for 2-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 235 mm		Faceplate 24 x 3 x 235 mm
			DIN LH	DIN RH	Non-handed
Satin stainless steel	65	Round	B-21170-12-L-8	B-21170-12-R-8	B-21170-52-L-8*
	80	Round	B-21170-13-L-8	B-21170-13-R-8	B-21170-53-L-8*

#### \*Make 1 out of 4 – and 4 out of 1

- Reversible latch (non-handed)
- Adaptable top-locking feature

#### Including monitoring contacts

- Latchbolt (B-2116)
- Cylinder locking cam
- Follower

You can find the corresponding wiring diagram on page 74.



### B-2170 electrically coupled panic lock for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 235 mm		Faceplate 24 x 3 x 235 mm
			DIN LH	DIN RH	Non-handed
Satin stainless steel	55	Round	B-21700-00-L-8	B-21700-00-R-8	B-21700-01-L-8
	60	Round	B-21700-02-L-8	B-21700-02-R-8	B-21700-03-L-8
	65	Round	B-21700-04-L-8	B-21700-04-R-8	B-21700-06-L-8
	80	Round	B-21700-08-L-8	B-21700-08-R-8	B-21700-10-L-8
	100	Round	-	-	B-21700-12-L-8

### B-1970 electrically coupled panic lock with CH-RC-hole-type for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 235 mm CH-RC hole-type		Faceplate 24 x 3 x 235 mm
			DIN LH	DIN RH	Non-handed
Satin stainless steel	65	Round	B-21700-05-L-8	B-21700-05-R-8	B-21700-07-L-8
	80	Round	B-21700-09-L-8	B-21700-09-R-8	B-21700-11-L-8

### B-2171 electrically coupled panic lock for 2-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 235 mm		Faceplate 24 x 3 x 235 mm
			DIN LH	DIN RH	Non-handed
Satin stainless steel	55	Round	B-21710-00-L-8	B-21710-00-R-8	B-21710-01-L-8
	60	Round	B-21710-02-L-8	B-21710-02-R-8	B-21710-03-L-8
	65	Round	B-21710-04-L-8	B-21710-04-R-8	B-21710-06-L-8
	80	Round	B-21710-08-L-8	B-21710-08-R-8	B-21710-09-L-8
	100	Round	B-21710-10-L-8	B-21710-10-R-8	B-21710-11-L-8

### B-2171 electrically coupled panic lock with CH-RC hole-type for 2-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 235 mm CH-RC hole-type		Faceplate 24 x 3 x 235 mm
			DIN LH	DIN RH	Non-handed
Satin stainless steel	65	Round	B-21710-05-L-8	B-21710-05-R-8	B-21710-07-L-8

### Accessories to be ordered separately

Description	Order number
Connecting cable	B 5490 0300
Power supply unit (24 V DC/1 A)	B 5494 0004
I/O module EK	B-54900-03-3-9

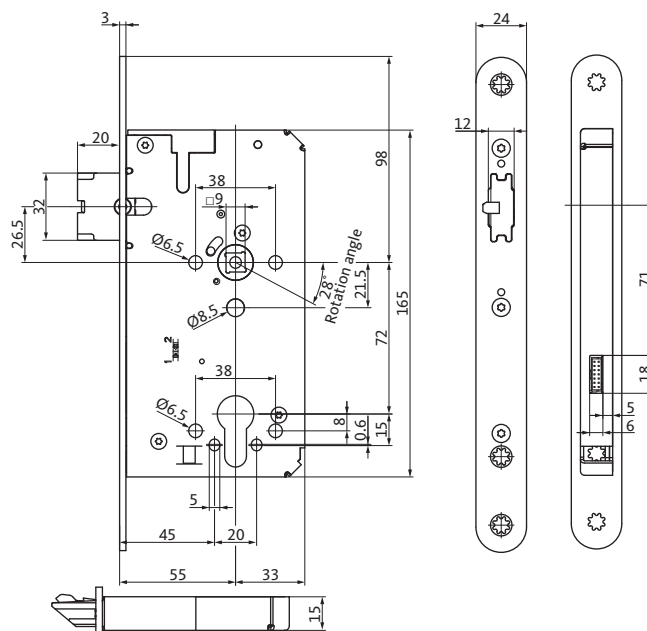
### Including monitoring contacts

- Latchbolt
- Cylinder locking cam
- Exterior/interior lever handle

You can find the corresponding wiring diagram on page 75.

# B-2175 electrically coupled lock

for 1-leaf doors including monitoring contacts



## Functional description

Self-locking electrically coupled lock for 1-leaf doors. The interior and exterior lever handle is electrically coupled, i.e. access or exit can be controlled electrically. Opening from inside/outside by key (via the latch lever).

## Product description

### B-2175 electrically coupled lock

- Approved for fire rated doors to EN 14846
- VDS C
- Reversible latchbolt
- Switchable panic side outward/inward
- Satin stainless steel faceplate
- 9 mm split follower
- With latch lever
- 72 mm (PC), 74 mm (CH-RC) hole distance
- Integral control unit/12–24 V DC
- Switchable fail-secure/fail-safe setting options

#### Classification code

EN 14846

3	S	3	E	0	0	6	0	0
---	---	---	---	---	---	---	---	---

#### Variants



PC  
hole-type



CH-RC  
hole-type

#### Standards



### B-2175 electrically coupled lock for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 235 mm		Faceplate 24 x 3 x 235 mm
			DIN LH	DIN RH	Non-handed
Satin stainless steel	55	Round	B-21750-00-L-8	B-21750-00-R-8	B-21750-01-L-8
	60	Round	B-21750-02-L-8	B-21750-02-R-8	B-21750-03-L-8
	65	Round	B-21750-04-L-8	B-21750-04-R-8	B-21750-05-L-8
	80	Round	B-21750-06-L-8	B-21750-06-R-8	B-21750-07-L-8
	100	Round	B-21750-08-L-8	B-21750-08-R-8	B-21750-09-L-8

### Accessories to be ordered separately

Description	Order number
Connecting cable	B 5490 0300
Power supply unit (24 V DC/1 A)	B 5494 0004
I/O module	B-54900-03-3-9

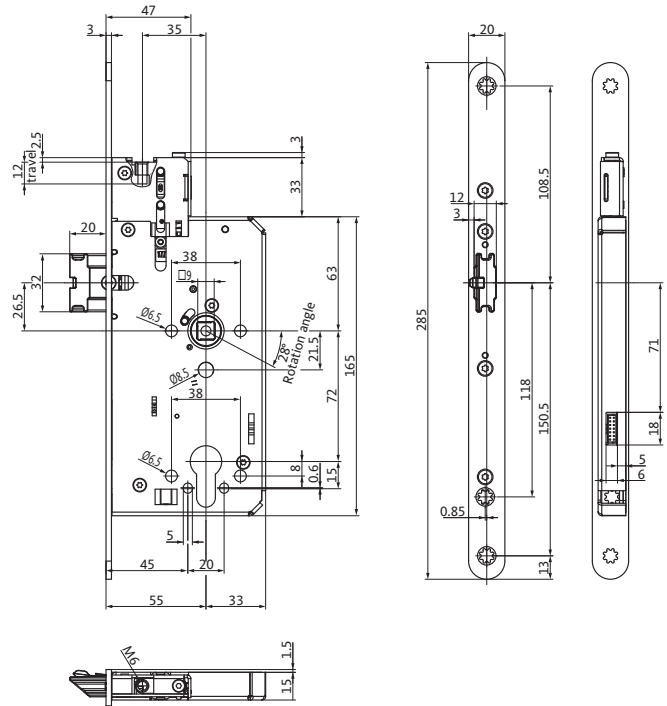
### Including monitoring contacts

- Latchbolt
- Cylinder locking cam
- Exterior/interior lever handle

You can find the corresponding wiring diagram on page 75.

# Electrically coupled panic locks B-2180/B-2181

with top-locking feature, for single- or double-leaf doors including monitoring contacts



## Functional description

Self-locking electrically coupled lock with manual panic function on the interior lever handle. Opening the door is possible at any time. The exterior lever handle is electrically coupled, i.e. access can be controlled electrically. Opening from outside by key (via the latch lever).

## Product description

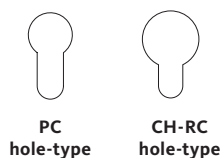
**Electrically coupled panic lock B-2180/B-2181**  
with top-locking feature

- Approved for fire protection doors to EN 179 (emergency exits), EN 1125 (panic doors) and EN 14846
- VDS C
- Reversible latchbolt
- Switchable panic side outward/inward
- Satin stainless steel faceplate
- 9 mm split follower
- With latch lever
- 72 mm (PC), 74 mm (CH-RC) hole distance
- Integral control unit/12–24 V DC
- Switchable fail-secure/fail-safe setting options

### Classification code

EN 179										
3	7	7	B	1	3	4	2	A	B/D	
EN 1125										
3	7	7	B	1	3	2	1/2	A/B	B	
EN 14846										
3	S	3	E	0	0	6	0	0		

### Variants



### Standards



### B-2180 electrically coupled panic lock for 1-leaf doors with top-locking feature

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 285 mm		Faceplate 24 x 3 x 285 mm
			DIN LH	DIN RH	Non-handed
Satin stainless steel	55	Round	B-21800-00-L-8	B-21800-00-R-8	B-21800-01-L-8
	60	Round	B-21800-02-L-8	B-21800-02-R-8	B-21800-03-L-8
	65	Round	B-21800-04-L-8	B-21800-04-R-8	B-21800-05-L-8
	80	Round	B-21800-06-L-8	B-21800-06-R-8	B-21800-07-L-8
	100	Round	-	-	B-21800-09-L-8

### B-2181 electrically coupled panic lock for 2-leaf doors with top-locking feature

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 285 mm		Faceplate 24 x 3 x 285 mm
			DIN LH	DIN RH	Non-handed
Satin stainless steel	55	Round	B-21810-00-L-8	B-21810-00-R-8	B-21810-01-L-8
	65	Round	B-21810-02-L-8	B-21810-02-R-8	B-21810-03-L-8
	80	Round	B-21810-04-L-8	B-21810-04-R-8	B-21810-05-L-8
	100	Round	-	-	B-21810-06-L-8

### Accessories to be ordered separately

Description	Order number
Connecting cable	B 5490 0300
Power supply unit (24 V DC/1 A)	B 5494 0004
I/O module	B-54900-03-3-9

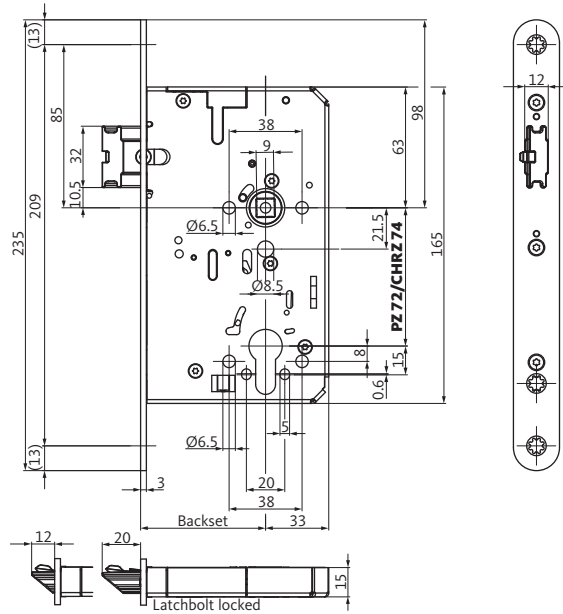
### Including monitoring contacts

- Latchbolt
- Cylinder locking cam
- Exterior/interior lever handle

You can find the corresponding wiring diagram on page 75.

# B-2156 motor-driven panic lock

for 1-leaf doors



## Functional description

Self-locking panic motor-driven lock for single-leaf doors with mechanical panic function on the interior lever handle. Opening the door is possible at any time. Mechanical access from outside using the key via the latch lever (panic function E) or the access is electrically controlled.

## Product description

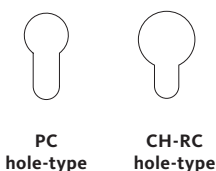
### B-2156 motor-driven panic lock

- Approved to EN 179 (emergency exits), EN 1125 (panic doors) and EN 14846
- Reversible latchbolt
- Satin stainless steel faceplate
- 9 mm follower
- Automatic latchbolt, 20 mm latch projection in locked position
- With latch lever
- 72 mm (PC), 74 mm (CH-RC) hole distance
- Integral control unit 24 V
- Including monitoring contacts

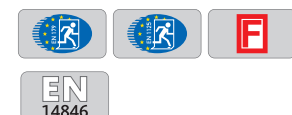
### Classification code

EN 179										
3	7	7	B	1	3	4	2	A	B/D	
EN 1125										
3	7	7	B	1	3	2	1/2	A/B	B	
EN 14846										
3	S	3	E	0	0	6	0	0		

### Variants



### Standards



### B-2156 panic motor-driven lock for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 235 mm		Faceplate 24 x 3 x 235 mm
			DIN LH	DIN RH	Non-handed
Satin stainless steel	55	Round	B-21560-00-L-8	B-21560-00-R-8	B-21560-01-L-8*
	60	Round	B-21560-02-L-8	B-21560-02-R-8	B-21560-03-L-8*
	65	Round	B-21560-04-L-8	B-21560-04-R-8	B-21560-06-L-8*
	80	Round	B-21560-08-L-8	B-21560-08-R-8	B-21560-10-L-8*
	100	Round			B-21560-12-L-8*

### B-2156 panic motor-driven lock with CH-RC hole-type, for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 235 mm CH-RC hole-type		Faceplate 24 x 3 x 235 mm
			DIN LH	DIN RH	CH-RC hole-type Non-handed
Satin stainless steel	65	Round	B-21560-05-L-8	B-21560-05-R-8	B-21560-07-L-8*
	80	Round	B-21560-09-L-8	B-21560-09-R-8	B-21560-11-L-8*

**\*Make 1 out of 4 – and 4 out of 1**

- Reversible latch (non-handed)
- Adaptable top-locking feature

### Accessories to be ordered separately

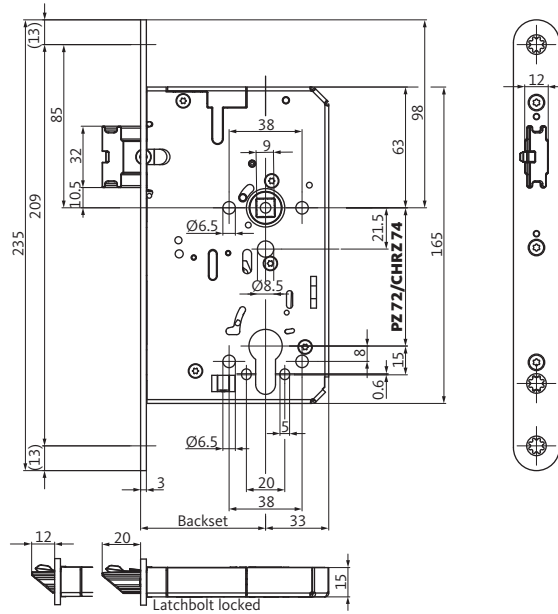
Description	Part number
Connecting cable	B 5490 0300
Power supply unit (24 V DC/1 A)	B 5494 0004
Emergency power buffer	B 5490 0312

### Including monitoring contacts

- Latchbolt
- Cylinder locking cam
- Lever handle

# B-2157 motor-driven panic lock

for double-leaf doors



## Functional description

Self-locking motor-driven panic lock for double-leaf doors with mechanical panic function on the interior lever handle. Opening the door is possible at any time. Mechanical access from outside using the key via the latch lever (panic function E) or the access is electrically controlled.

## Product description

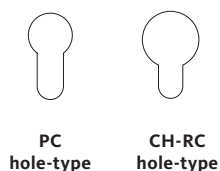
### B-2157 motor-driven panic lock

- Approved to EN 179 (emergency exits), EN 1125 (panic doors) and EN 14846
- Reversible latchbolt
- Satin stainless steel faceplate
- 9 mm follower
- Automatic latchbolt, 20 mm latch projection in locked position
- With latch lever
- 72 mm (PC), 74 mm (CH-RC) hole distance
- Integral control unit 24 V
- Including monitoring contacts

### Classification code

EN 179										
3	7	7	B	1	3	4	2	A	B/D	
EN 1125										
3	7	7	B	1	3	2	1/2	A/B	B	
EN 14846										
3	S	3	E	0	0	0	0	0		

### Variants



### Standards



### B-2157 motor-driven panic lock for 2-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 235 mm		Faceplate 24 x 3 x 235 mm
			DIN LH	DIN RH	Non-handed
Satin stainless steel	55	Round	B-21570-00-L-8	B-21570-00-R-8	B-21570-01-L-8*
	60	Round	B-21570-02-L-8	B-21570-02-R-8	B-21570-03-L-8*
	65	Round	B-21570-04-L-8	B-21570-04-R-8	B-21570-06-L-8*
	80	Round	B-21570-08-L-8	B-21570-08-R-8	B-21570-09-L-8*
	100	Round	B-21570-10-L-8	B-21570-10-R-8	B-21570-11-L-8*

### B-2157 motor-driven panic lock with CH-RC hole-type for 2-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 235 mm CH-RC hole-type		Faceplate 24 x 3 x 235 mm CH-RC hole-type
			DIN LH	DIN RH	Non-handed
Satin stainless steel	65	Round	B-21570-05-L-8	B-21570-05-R-8	B-21570-07-L-8*

**\*Make 1 out of 4 – and 4 out of 1**

- Reversible latch (non-handed)
- Adaptable top-locking feature

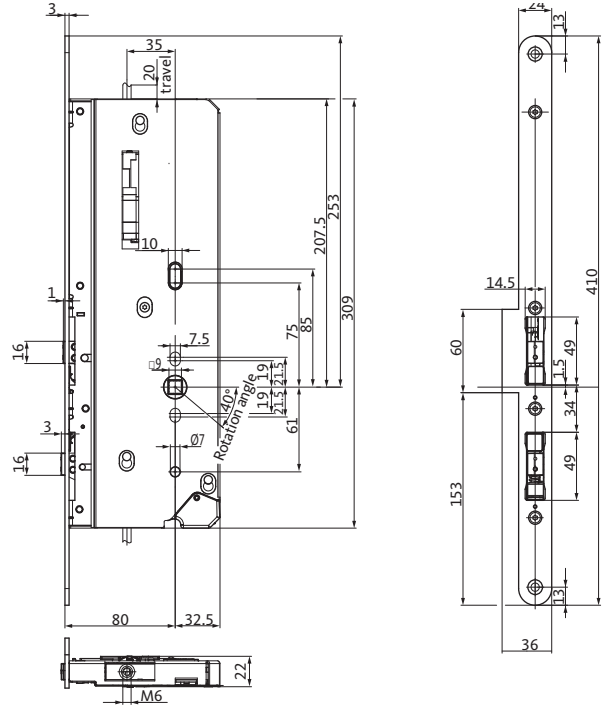
### Accessories to be ordered separately

Description	Part number
Connecting cable	B 5490 0300
Power supply unit (24 V DC/1 A)	B 5494 0004
Emergency power buffer	B 5490 0312

### Including monitoring contacts

- Latchbolt
- Cylinder locking cam
- Lever handle

# B-2393 motor-driven shoot-bolt lock



## Functional description

The motor-driven shoot-bolt lock for the passive leaf of double-leaf doors can be opened manually, but also electrically in conjunction e.g. with a swing-door drive via a separate control unit. A motor-driven lock on the active leaf is not necessary, as the active leaf can be opened independently of the passive leaf.

## Product description

### B-2393 motor-driven shoot-bolt lock

- Approved to: EN 179 (emergency exits), EN 1125 (panic doors) and EN 14846
- Satin stainless steel faceplate
- 9 mm follower
- Including latch and deadbolt monitoring
- Operating voltage 24 V DC

### Classification code

#### EN 179

3	7	7	B	1	3	4	2	A	C
---	---	---	---	---	---	---	---	---	---

#### EN 1125

3	7	7	B	1	3	2	1/2	A/B	C
---	---	---	---	---	---	---	-----	-----	---

#### EN 14846

3	S	3	E	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---

### Standards



### B-2393 motor-driven shoot-bolt lock

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 410 mm Non-handed	Lipped faceplate 24/36 x 3 x 410 mm	
				DIN LH	DIN RH
Satin stainless steel	65	Round	B-23930-00-0-8	B-23930-00-L-8	B-23930-00-R-8
	80	Round	B-23930-01-0-8	B-23930-01-L-8	B-23930-01-R-8
	100	Round	B-23930-02-0-8	B-23930-02-L-8	B-23930-02-R-8

### Accessories to be ordered separately

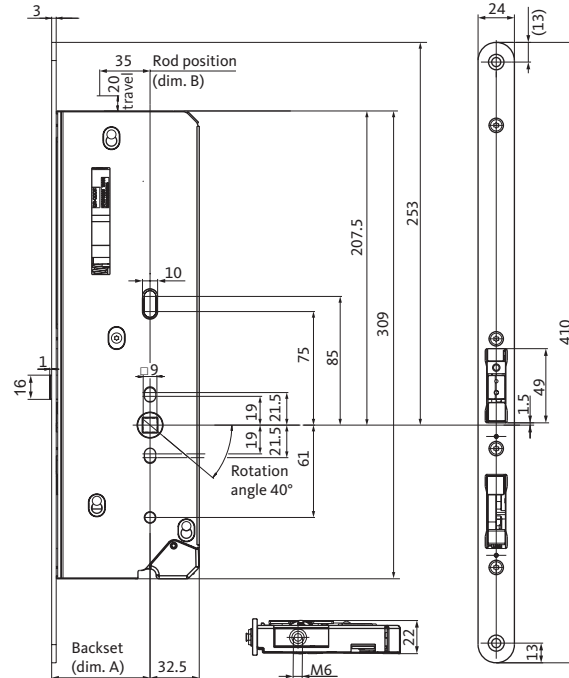
Description	Order number
Control unit for motor-driven lock	B-54900-01-2-8
Connecting cable	B 5490 0300
Power supply unit (24 V DC/4.2 A)	B 5570 0401
Emergency power buffer for fire rated doors	B-54903-23-3-9
DIN rail housing for control unit, emergency power buffer, power supply unit	B 5495 0251

### Including monitoring contacts

- Latch monitoring contact
- Deadbolt monitoring contact
- Locking contact (locked/unlocked)

You can find the corresponding wiring diagram on page 76.

# B-2193 motor-driven shoot-bolt lock



## Functional description

The motor-driven shoot-bolt lock for the passive leaf of double-leaf doors can be opened manually, but also electrically in conjunction e.g. with a swing-door drive via a separate control unit. A motor-driven lock on the active leaf is not necessary, as the active leaf can be opened independently of the passive leaf.

## Product description

### B-2193 motor-driven shoot-bolt lock

- Approved to: EN 179 (emergency exits), EN 1125 (panic doors) and EN 14846
- Satin stainless steel faceplate
- 9 mm follower
- Including latch monitoring contact
- Operating voltage 24 V DC

### Classification code

#### EN 179

3	7	7	B	1	3	4	2	A	C
---	---	---	---	---	---	---	---	---	---

#### EN 1125

3	7	7	B	1	3	2	1/2	A/B	C
---	---	---	---	---	---	---	-----	-----	---

#### EN 14846

3	S	3	E	0	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---

### Standards



### B-2193 motor-driven shoot-bolt lock

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 24 x 3 x 410 mm Non-handed	Lipped faceplate 24/36 x 3 x 410 mm	
				DIN LH	DIN RH
Satin stainless steel	65	Round	B-21930-00-0-8	B-21930-00-L-8	B-21930-00-R-8
	80	Round	B-21930-01-0-8	B-21930-01-L-8	B-21930-01-R-8
	100	Round	B-21930-02-0-8	B-21930-02-L-8	B-21930-02-R-8

### Accessories to be ordered separately

Description	Order number
Control unit for motor-driven lock	B-54900-01-2-8
SHEV control unit for motor-driven locks (for SHEV systems)	B-54900-02-4-9
Connecting cable	B 5490 0300
Power supply unit (24 V DC/4.2 A)	B 5570 0401
Emergency power buffer for fire rated doors	B-54903-23-3-9
DIN rail housing for control unit, emergency power buffer, power supply unit	B 5495 0251

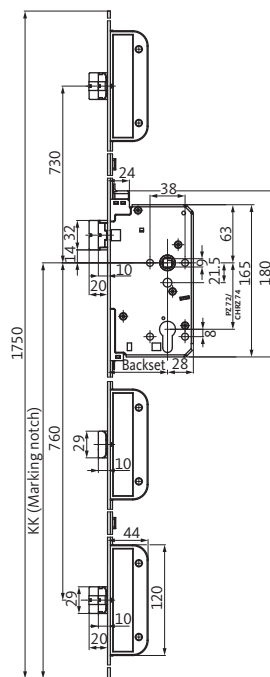
### Including monitoring contacts

- Latchbolt monitoring contact
- Locking contact (locked/unlocked)

You can find the corresponding wiring diagram on page 76.

# SECURY 2116 EVP/SECURY 2116 S EVP

electrically-locking panic lock for single-leaf doors, including monitoring contacts



## Functional description

### Panic function E

Self-locking panic lock for single-leaf doors with mechanical panic function on the interior lever handle. Opening the door is possible at any time. Mechanical access from outside using the key (via the latch lever).

## Product description

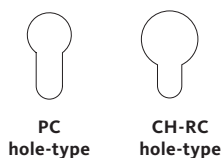
### SECURY 2116 EVP/SECURY 2116 S EVP

- Approved to EN 179 (emergency exits), EN 1125 (panic doors)
- Satin stainless steel faceplate
- 9 mm follower
- Triple automatic latchbolt, 20 mm latch/deadbolt projection in locked position
- With latch lever
- 72 mm (PC), 74 mm (CH-RC) hole distance

### Classification code

EN 179									
3	7	7	B	1	3	4	2	A	B
EN 1125									
3	7	7	B	1	3	2	1/2	A/B	B

### Variants



### Standards



### B 2116 EVP for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 1750 mm		Faceplate 24 x 3 x 1750 m	
			DIN LH	DIN RH	DIN LH	DIN RH
Satin stainless steel	55	Round	-	-	6-38498-01-L-8	6-38498-01-R-8
	65	Round	-	-	6-38498-02-L-8	6-38498-02-R-8

Including B 5490 0001 connecting cable

### B 2116 S EVP with monitoring contacts for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 1750 mm		Faceplate 24 x 3 x 1750 mm	
			DIN LH	DIN RH	DIN LH	DIN RH
Satin stainless steel	55	Round	-	-	6-37979-01-L-8	6-37979-01-R-8
	65	Round	6-37979-03-L-8	6-37979-03-R-8	6-37979-02-L-8	6-37979-02-R-8

Including B 5490 0001 connecting cable

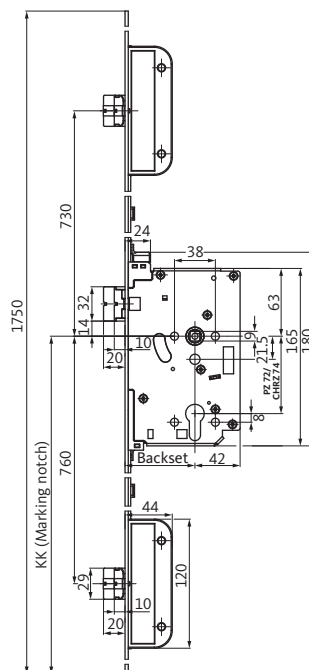
#### Including monitoring contacts

- Latchbolt
- Cylinder locking cam

You can find the corresponding wiring diagram on page 78.

# SECURY 2170 EK/2171 EK

for single- or double-leaf doors (fail-secure), including monitoring contacts



## Functional description

### Panic function C

Self-locking electrically coupled lock for 1-leaf doors features a mechanical panic function on the interior lever handle. Opening the door is possible at any time. The exterior lever handle is electrically coupled, i.e. access can be controlled electrically.

## Product description

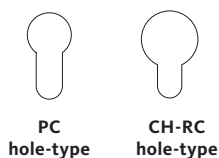
### SECURY 2170 EK / 2171 EK

- Approved to EN 179 (emergency exits), EN 1125 (panic doors) and EN 14846
- Satin stainless steel faceplate
- 9 mm split follower
- Triple automatic latchbolt, 20 mm latch/deadbolt projection in locked position
- 72 mm (PC), 74 mm (CH-RC) hole distance
- Integral control unit
- 12–24 V DC

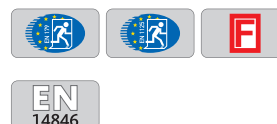
### Classification code

EN 179									
3	7	7	B	1	3	4	2	A	B/D
EN 1125									
3	7	7	B	1	3	2	1/2	A/B	B
EN 14846									
3	S	3	E	0	0	4	0	0	

### Variants



### Standards



### SECURY 2170 electrically coupled panic lock for 1-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 1750 mm		Faceplate 24 x 3 x 1750 mm	
			DIN LH	DIN RH	DIN LH	DIN RH
Satin stainless steel	55	Round	6-39014-02-L-8	6-39014-02-R-8	6-39014-04-L-8	6-39014-04-R-8
	65	Round	6-39014-03-L-8	6-39014-03-R-8	6-39014-05-L-8	6-39014-05-R-8
	80	Round	6-39014-06-L-8	6-39014-06-R-8	-	-

Including B 5490 0300 connecting cable

### SECURY 2171 electrically coupled panic lock for 2-leaf doors

Faceplate Finish	Backset mm	Faceplate Shape	Faceplate 20 x 3 x 1750 mm		Faceplate 24 x 3 x 1750 mm	
			DIN LH	DIN RH	DIN LH	DIN RH
Satin stainless steel	65	Round	6-39014-11-L-8	6-39014-11-R-8	6-39014-07-L-8	6-39014-07-R-8
	80	Round	6-39014-01-L-8	6-39014-01-R-8	-	-

Including B 5490 0300 connecting cable

#### Including monitoring contacts

- Cylinder locking cam
- Exterior/interior lever handle

You can find the corresponding wiring diagram on page 79.

# Well thought out down to the last detail.

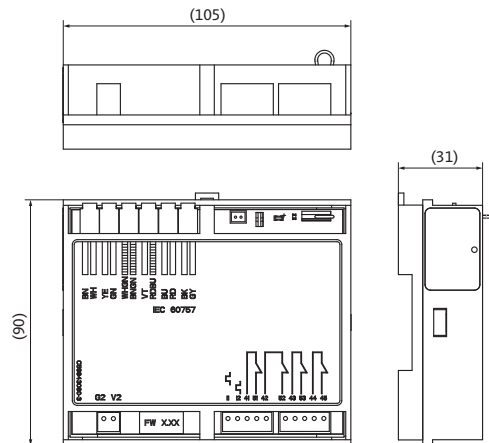
Thanks to the variety of products and their accessories, your project can be completely equipped by one partner. We are not only concerned with single products but with the creation of complete solutions meeting the requirements of today.





# Control units / Emergency power buffer

for motor-driven shoot-bolt locks



## Control units for motor-driven shoot-bolt locks

including service plug

### Technical data:

- Operating voltage: 24 V DC  $\pm$  10%
- Operating current: 2–4.2 A max.
- Standby: 100 mA max.

### Control unit

#### Order number

B-54900-01-3-9 for B-1893 / B-1993

B-54900-01-2-8 for B-2193 / B-2393

### SHEV control unit

#### Order number

B-54900-01-4-9 for B-1993

B-54900-02-4-9 for B-2193

### Top-hat rail housing

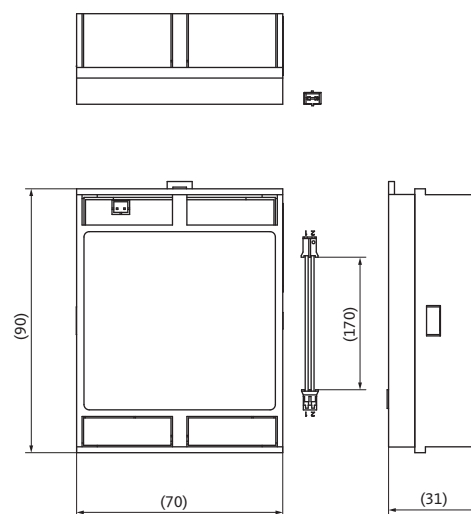
for motor-driven controller/SHEV control unit

#### Order number

B 5495 0251

## Emergency power supply for motor-driven shoot-bolt locks

An external emergency power supply or emergency power buffer is a mandatory requirement for fire protection approval



### Emergency power buffer

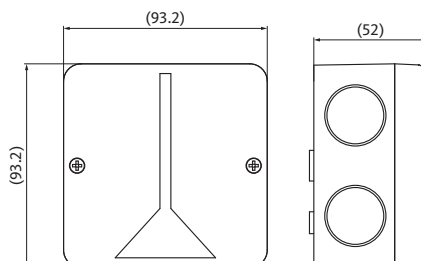
#### Order number

B-54903-23-3-9

### DIN rail housing for emergency power buffer

#### Order number

B 5495 0251



## I/O module EK

The purpose of the I/O module EK is to establish secure data transmission (bus connection) between the electrically coupled lock and actuating element.

### I/O module EK

#### Order number

B-54900-03-3-9

LBA	GY
LBB	BK
12...24 V DC	BN
GND	WH

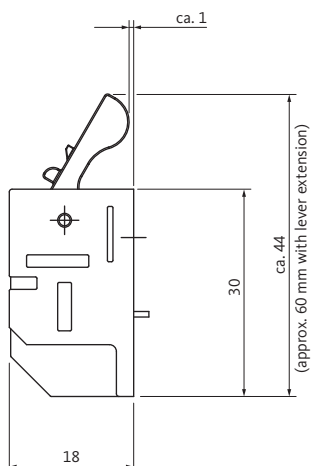


## Door contact

### Door contact

Specification	Order number
Door contact set, white (VdS B, 6 m cable)	B 5469 0010
Installation channel set (for B 5469 0010 door contact)	B 5469 0051
Spacer set (for B 5469 0010 door contact)	B 5469 0052

# Monitoring contact / Deadbolt monitoring contact



## B 9033 deadbolt monitoring contact

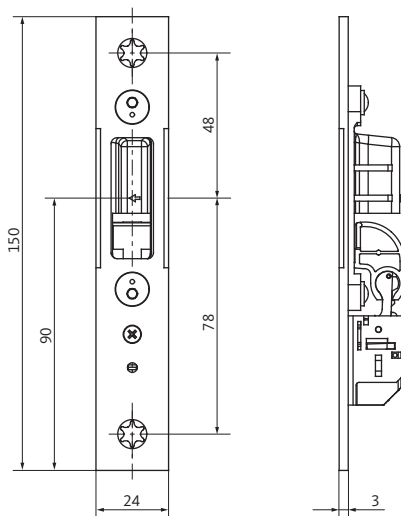
### Technical data:

- Switching contact: change-over contact
- Contact load: max. 3 W
- Current: 5–300 mA
- Approval: VdS C
- Protection code: IP67

### Deadbolt monitoring contact

#### Order number

B 9033 0000



## 6-38426 latchbolt monitoring contact

Striker with deadbolt monitoring contact for additional latchbolt

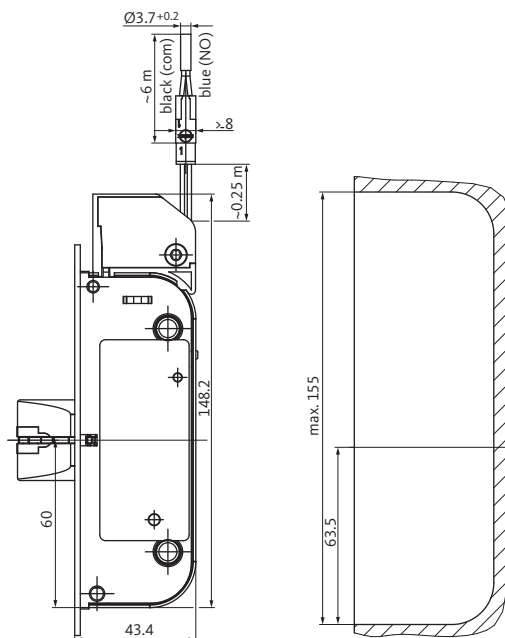
### Flat striker 24 x 3 x 150 mm

Material/Finish	Shape	Order number	
Satin stainless steel	Square	Non-handed	6-40041-AA-0-8

### U-striker 24 x 6 x 150 mm

Material/Finish	Shape	Order number	
Satin stainless steel	Square	Non-handed	6-40041-AC-0-8

Approval: VdS C



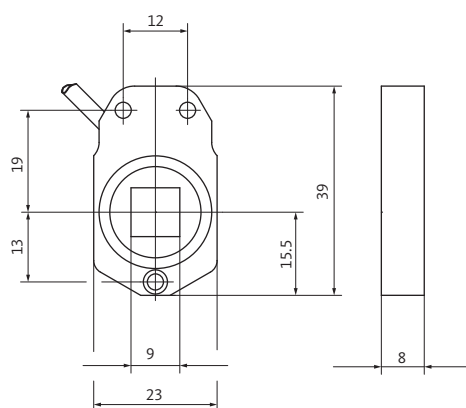
## Additional locking element for SECURY multi-point lock

Latchbolt monitoring

### Additional lock

Additional lock set with query	Order number
DIN left	K-16538-01-0-1
DIN right	K-16538-00-0-1

6 m connecting cable included



## B 9032 follower monitoring contact

### Technical data:

- Follower: 9 mm
- Connection: opening or closing
- Current: 35 mA (max.)
- Voltage: 28 V DC (max.)

### Follower monitoring contact

Function	Order number
Opener	B 9032 0000
Closer	B 9032 0001

### Connecting cable

Length	Order number
4 m	B 5490 0100
8 m	B 5490 0101

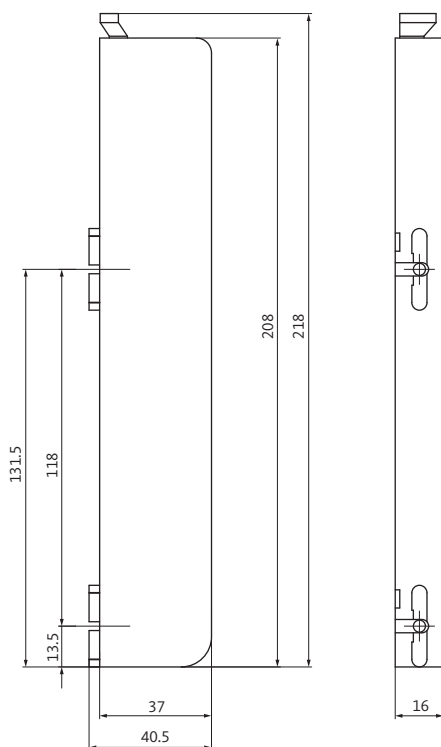
# Connecting cable / A-opener



## B 5490 connecting cable

Connecting cable for escape door monitoring, for deadbolt, latch and follower monitoring and for electrically coupled locks.

Connecting cable	
Length	Order number
10 m	B 5490 0300



## A-opener kit

for SECURY multi-point lock

### Technical data:

- Nominal voltage: 12 V AC/12–24 V DC (stabilised)
- Current consumption: max. 1 A
- Protection code: IP40
- Lifting force: max. 70 N

A-opener kit
Order number
K-18153-01-0-0
6 m connecting cable and carrier included

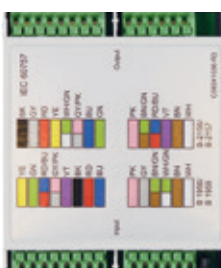


## Power supply units

Power supply units	
Specifications	Order number
Switching power supply with mains cable 24 V DC, 1 A	B 5494 0004
Switching power supply for in-wall installation 24 V DC, 0.75 A	B 5494 0006
Switching power supply for mounting on top-hat rail 24 V DC, 4.2 A	B 5570 0401
Switching power supply for mounting on top-hat rail 24 V DC, 1.3 A	B 5570 0402
Housing for top-hat rail power supply units	B 5570 0411



B 5490 0301 / B 5490 0303



B 5490 0312

## B 5490 emergency power buffer

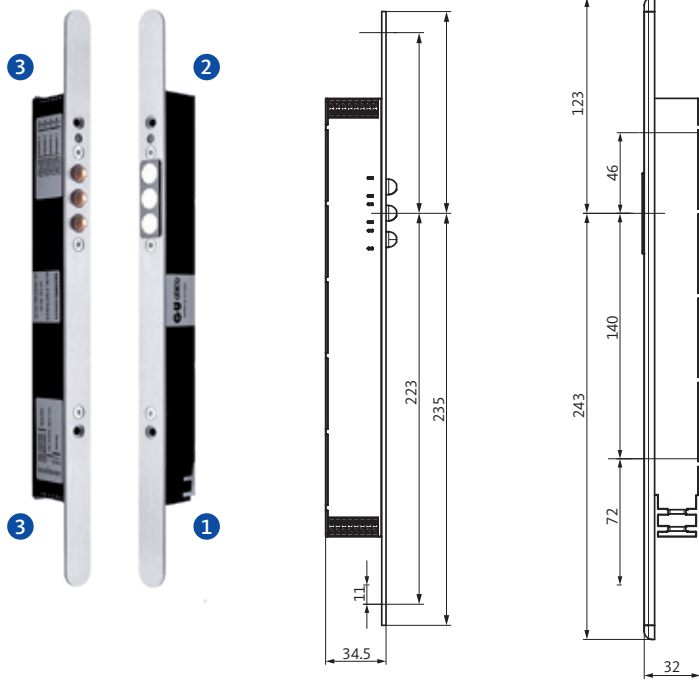
In the event of a power failure, the emergency power buffer ensures that there is sufficient power to project the latch-bolt into its locked position (obligatory for fire protection doors). The emergency power buffer blocks the electrical activation of the lock as long as no mains voltage is available. During commissioning or once the mains voltage has been restored, the lock can be activated again electrically.

### Technical data:

- Casing (LxWxH): 100 x 24 x 15 mm
- Operating voltage: 24 VDC  $\pm$  15%
- Current consumption: 1 A max.
- Standby: 30 mA max.

Emergency power buffer	
Used for	Order number
B 1956/B 1959 motor-driven lock	B 5490 0301
B-2156/B-2157 motor-driven lock	B 5490 0312
A-opener	B 5490 0303

# SECUREconnect / Cable link



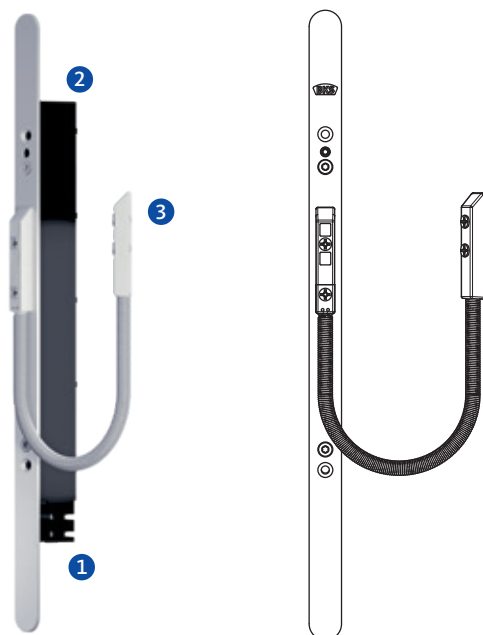
## Technical data

- 1 230 V AC, 50 HZ
- 2 24 V DC, 200 mA
- 3 Inputs/Control signal

## SECUREconnect

More security and convenience for all mechatronic locks. SECUREconnect 200 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 the new generation to include an access control interface for activation of fingerprint scanners or code keypads.

SECUREconnect		
Specifications	SECUREconnect 200	SECUREconnect 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



## Technical data

- 1 230 V AC, 50 HZ
- 2 24 V DC, 200 mA
- 3 24 V DC, 1 A

## Cable link with integrated power supply unit

Description	Order number
6-pin	B 5527 0200

## Accessories

### Faceplate variants

Specifications		Order number
20 x 350 x 2.5 mm	Round	B 5527 0210
24 x 350 x 2.5 mm	Round	B 5527 0211
20 x 350 x 2.5 mm	Square	B 5527 0214
24 x 350 x 2.5 mm	Square	B 5527 0212

### Case for holding the power supply unit

Specifications	Order number
20 x 230 x 26.5 mm	B 5527 0230



## Cable link

### Use:

Protection of electrical cables (frame to door leaf) with a diameter of up to 10 mm. This is required for example when using follower monitoring contact B 9032, electrical latch and/or deadbolt monitoring and monitored escape door locks.

The cable links protect extra-low voltage cables in doors against mechanical damage when the door is opened and closed. The concealed installation ensures protection against unauthorised access.

Cable links	
Cable links, concealed	Order number
Dimensions 24 x 260 x 17 mm/installation channel on one side/inner diameter 10 mm/opening up to 100°	6-29854-00-0-0
Dimensions 24 x 480 x 17 mm/installation channel on one side/inner diameter 10 mm/opening up to 180°	6-29942-00-0-0
Dimensions 20 x 350 x 15 mm/installation channel on one side/inner diameter 8 mm/opening up to 180°	6-30809-00-0-0
Flexible length 370 mm/without installation channel/inner diameter 10 mm/opening up to 180°	9-39237-00-0-0
Flexible length 241 mm/without installation channel/inner diameter 8 mm/opening up to 180°	9-41419-00-0-0
Cable links, face-fixed	Order number
500 mm length/white	B 5527 0100



## Detachable cable link

### Use:

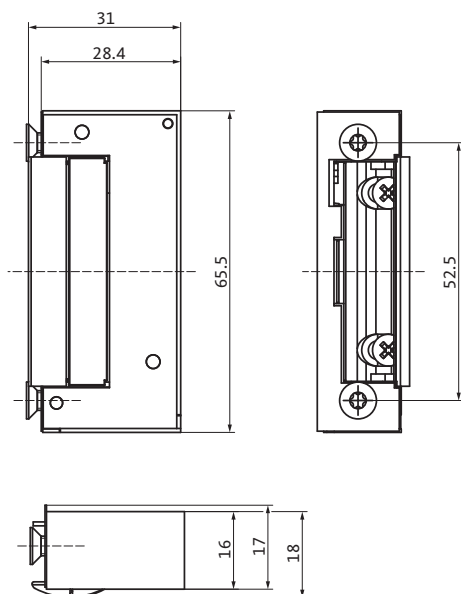
Protection of electrical cables (frame to door leaf) with a diameter of up to 10 mm. This is required for example when using follower monitoring contact B 9032, electrical latch and/or deadbolt monitoring and monitored escape door locks.

The cable links protect extra-low voltage cables in doors against mechanical damage when the door is opened and closed.

Cable links	
Cable link, detachable, concealed	Order number
Dimensions 24 x 490 x 18.5 mm/without installation channel/10-pole version	6-35193-00-0-8
Dimensions 24 x 519 x 17.5 mm/installation channel on one side/10-pole version	6-35194-00-0-8
Dimensions 24 x 480 x 17 mm/installation channel on one side/12-pole version for motor-driven shoot-bolt locks	B 5527 0004
Dimensions 24 x 480 x 17 mm/installation channel on both sides/12-pole version for motor-driven shoot-bolt locks	B 5527 0005
Installation kit for timber doors/dimensions 24 x 18 mm (packer for timber frame)	6-35195-00-0-0

# GU-BKS electric strike ET 8

Standard versions



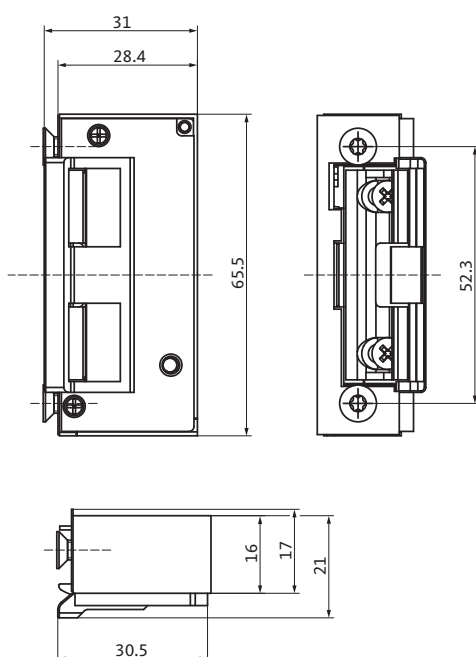
## GU-BKS electric strike ET 8 without latch slide cover

### 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

### GU-BKS electric strike

Description	Voltage range	Order no.
Fail-secure	9-24 V AC/DC	6-35804-01-0-1
Fail-secure with mechanical override	9-24 V AC/DC	6-35804-02-0-1
Fail-secure with monitoring contact	9-24 V AC/DC	6-35804-03-0-1
Fail-safe	9-24 V AC/DC	6-35806-01-0-1
Fail-safe with monitoring contact	9-24 V AC/DC	6-35806-03-0-1



## GU-BKS electric strike ET 8 with latch slide cover

### Performance features:

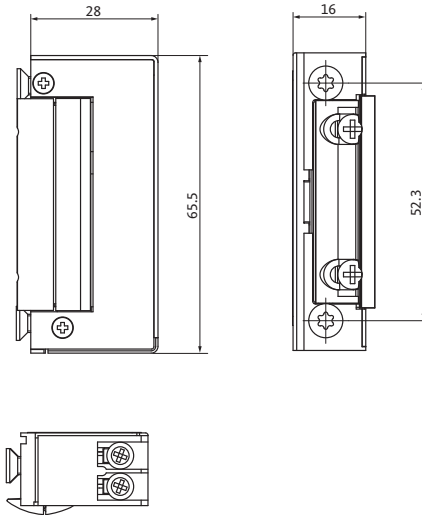
Non-handed, small size, with radius keeper, pole reversal-proof spike protection, offers high resistance to attempted uplifting, optimum adaptation to the frame profile

### GU-BKS electric strike

Description	Voltage range	Order no.
Fail-secure	9-24 V AC/DC	6-35805-01-0-1
Fail-secure with mechanical override	9-24 V AC/DC	6-35805-02-0-1
Fail-secure with monitoring contact	9-24 V AC/DC	6-35805-03-0-1
Fail-safe	9-24 V AC/DC	6-35807-01-0-1
Fail-safe with monitoring contact	9-24 V AC/DC	6-35807-03-0-1

# GU-BKS electric strike ET 8

Fire rated versions



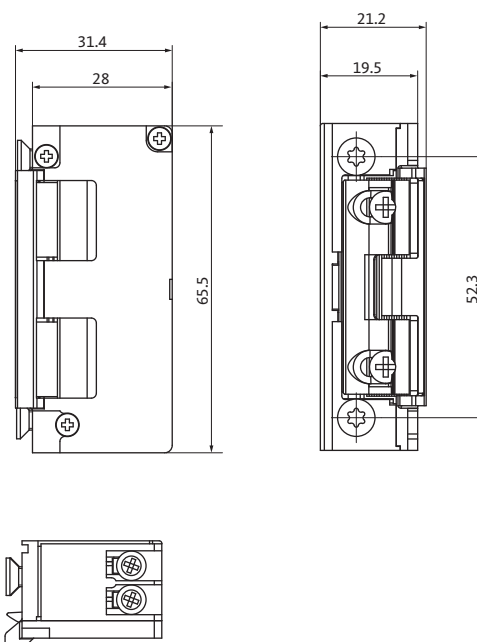
## GU-BKS electric strike ET 8 without latch slide cover Fire rated version

### 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

### GU-BKS electric strike

Description	Voltage range	Order no.
Fail-secure	9–24 V AC/DC	B-92510-00-0-8
	22–26 V AC/DC	B-92510-01-0-8
Fail-secure with monitoring contact	9–24 V AC/DC	B-92510-02-0-8
	22–26 V AC/DC	B-92510-03-0-8
Fail-secure with high-preload controller	6 – 28 V AC/DC	B-92510-20-0-8
Fail-secure with monitoring contact and high-preload controller	6–28 V AC/DC	B-92510-21-0-8



## GU-BKS electric strike ET 8 with latch slide cover Fire rated version

### 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

### GU-BKS electric strike

Description	Voltage range	Order no.
Fail-secure	9–24 V AC/DC	B-92510-10-0-8
	22–26 V AC/DC	B-92510-11-0-8
Fail-secure with monitoring contact	9–24 V AC/DC	B-92510-12-0-8
	22–26 V AC/DC	B-92510-13-0-8
Fail-secure with high-preload controller	6 – 28 V AC/DC	B-92510-30-0-8
Fail-secure with monitoring contact and high-preload controller	6–28 V AC/DC	B-92510-31-0-8



## Radio receiver with two outputs

Radio receiver	
Description	Order no.
Radio receiver	B-55280-02-0-6

Can be used with all mechatronic locks.



## Radio transmitter for installation in switch boxes

Radio transmitter	
Description	Order no.
Radio transmitter	B-55281-03-1-9

Suitable for use, e.g., for elbow push-button or key switch.



## Handheld radio transmitter with one button

Handheld radio transmitter	
Description	Order no.
Handheld radio transmitter – 1 button	B-55281-01-0-9

Can be used with all motor-driven solutions of the Gretsch-Unitas group.



## Handheld radio transmitter with four buttons

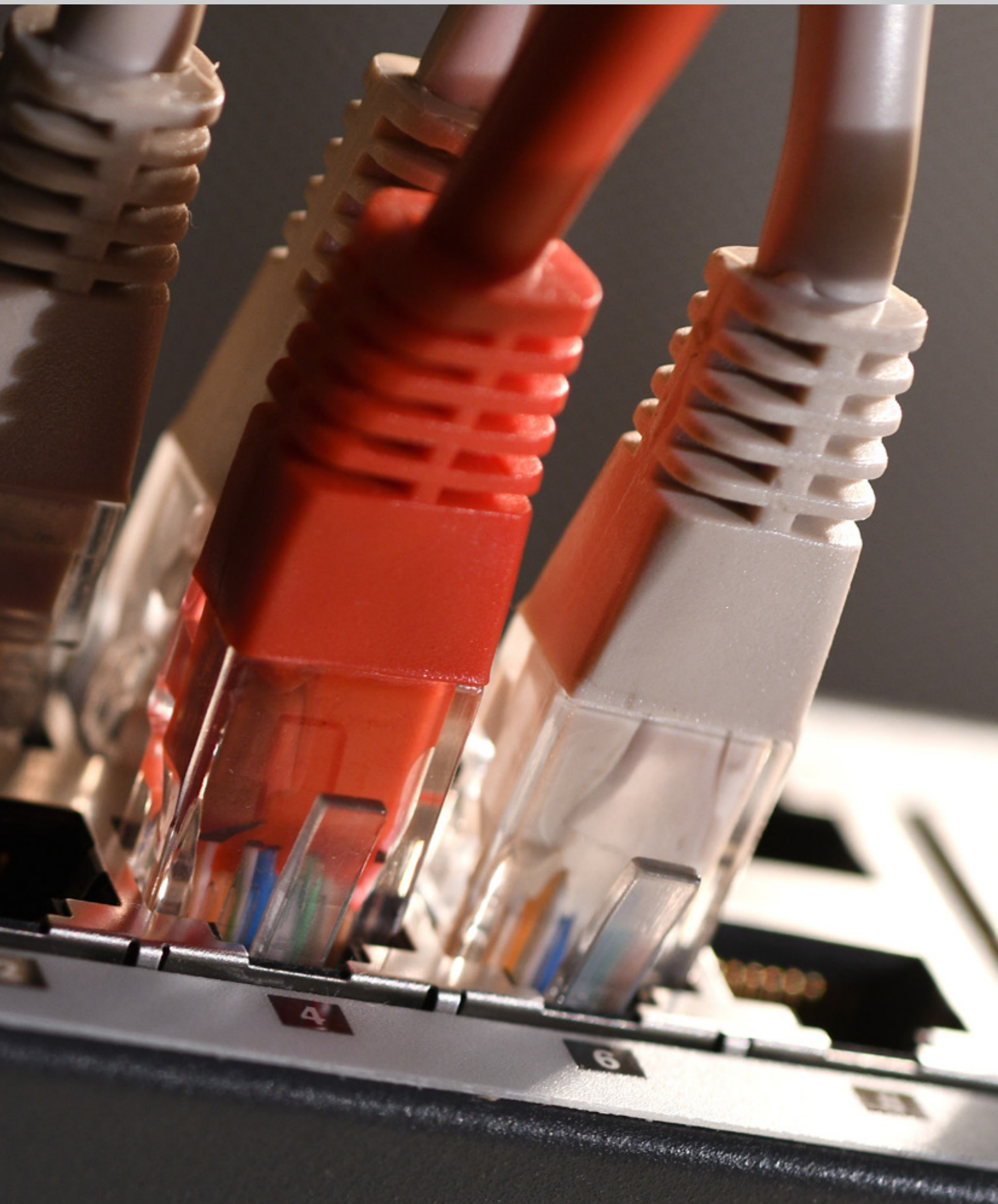
Handheld radio transmitter	
Description	Order no.
Handheld radio transmitter – 4 buttons	B-55281-02-0-9

Can be used with all motor-driven solutions of the Gretsch-Unitas group.

# Simple electrical wiring.

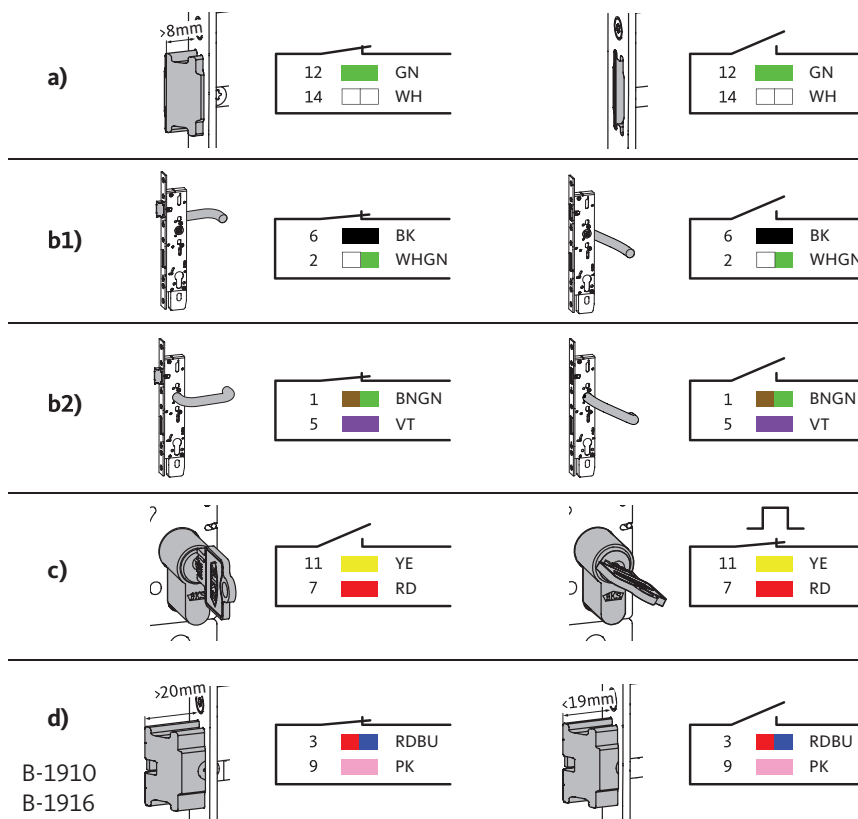
To ensure that the locks can also be connected in no time at all, there are matching wiring diagrams for each series.





# Panic lock

B-1910 / B-1911 / B-1916 / B-1917 / SECURY 19



B-1910  
B-1916

IEC 60757

## Monitoring functions series 19 / SECURY 19

### Connected values

Switching capacity (max.) 1 W  
Switching current DC (max.) 100 mA  
12 V DC/80 mA  
24 V DC/40 mA

### Note!

If a monitoring function is supplied in combination with a top-locking feature, the standard length of the faceplate increases upwards by 50 mm to 320 mm.

### Accessories

#### Not included in the scope of delivery:

Connecting cable B 5490 0300,  
length 10 m (type LiYY 14 x 0.14 mm<sup>2</sup>)

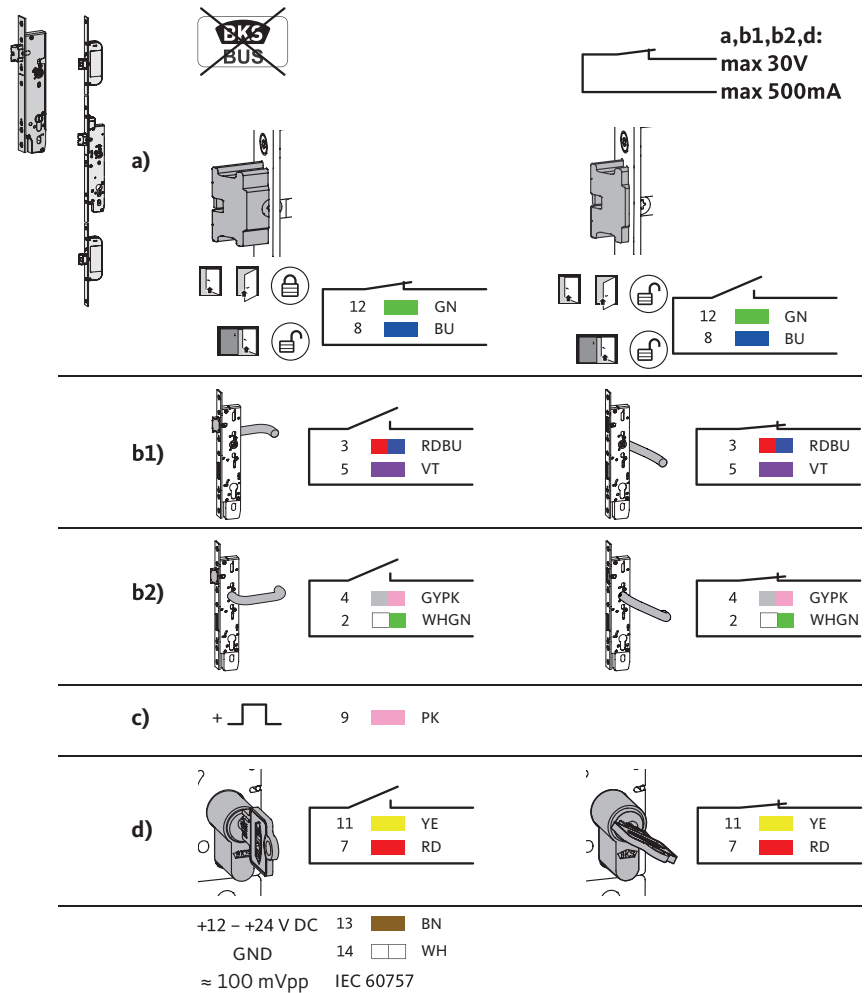
### Optional:

B 5371 0020 lock tester



# Electrically coupled panic locks

B-1970 / B-1971 / B-1975 / B-1980 / B-1981 / SECURY 19



## Electrically coupled panic lock

The exterior lever handle is electrically activated, i.e. access can be controlled electrically. Activation is possible by means of the door opener button, intercom or similar, time switches, or access control system. The statuses of the individual lock components are also queried electrically via integrated switches.

### Accessories

#### Not included in the scope of delivery:

Connecting cable B 5490 0300, length 10 m (type LiYY 14 x 0.14 mm<sup>2</sup>)

#### Optional:

B 5371 0020 lock tester



# Motor-driven panic lock

B-1956/B-1959



## Lock in de-energised state:

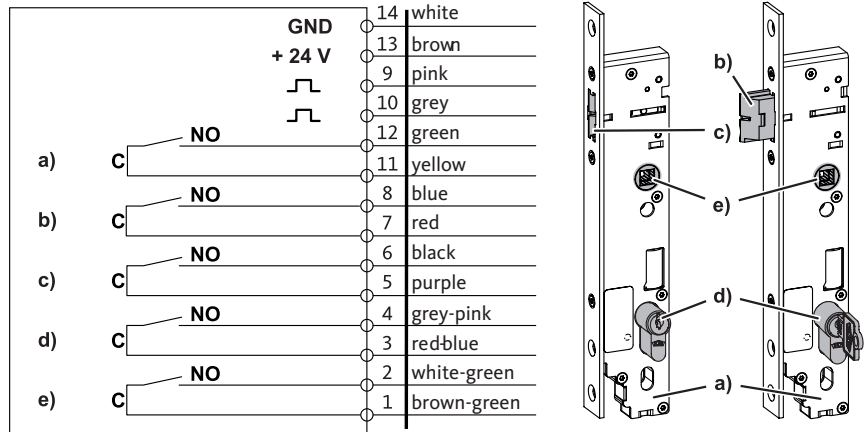


Fig. 5: contact statuses in de-energised state

- a) Function output (disabled in conjunction with emergency power backup B 5490 0301!)
- b) Latchbolt locked
- c) Latchbolt unlocked
- d) Cylinder cam short-term release
- e) Lever handle monitoring

## Contact statuses of the lock in initial position:

Initial position:

- Under operating voltage
- Door closed (latchbolt locked)
- Lever handle not actuated
- Door contact connected

## Motor-driven panic lock

The following elements of the motor-driven locks B 1956/B 1959 can be monitored electrically:

- Latchbolt
- Lever handle
- Cylinder locking cam

Individual lock elements or combinations of these can be electrically monitored.

## Accessories

### Included in the scope of delivery:

Connecting cable B 5490 0300, length 10 m (type LiYY 14 x 0.14 mm<sup>2</sup>)

### Optional:

Lock tester B 5371 0020

Emergency power buffer B 5490 0301

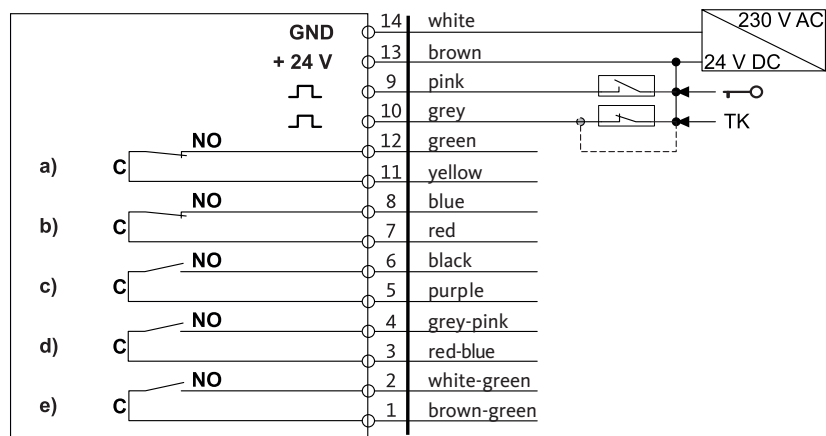


Fig. 6: contact statuses in initial position



# Motor-driven shoot-bolt lock

B-1893/B-1993

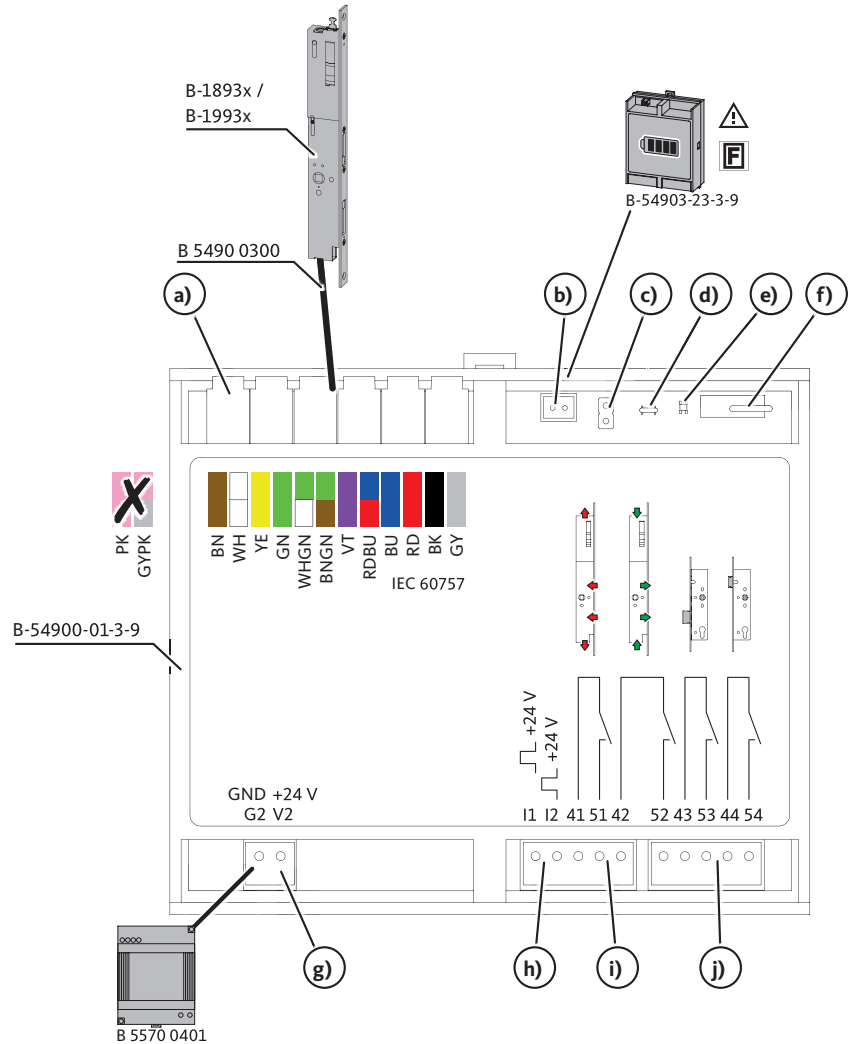


Fig. 1: Connections

## Motor-driven shoot-bolt lock

### Accessories

#### Not included in the scope of delivery:

Control unit for motor-driven lock

B-54900-01-3-9

Connecting cable B 5490 0300,

length 10 m (type LiYY 8 x 0.14 mm<sup>2</sup>)

Power supply unit (24 V DC/4.2 A)

B 5570 0401

Emergency power buffer for

fire rated doors B-54903-23-3-9

Top-hat rail housing for control, buffer

and power supply unit B 5495 0251

a) Terminal clamps for motor-driven shoot-bolt lock B-1893x or B-1993x

b) Connection plug for emergency power buffer B-54903-23-3-9

c) Jumper for use with emergency power buffer B-54903-23-3-9

Jumper must be closed when using the emergency power buffer B-54903-23-3-9.  
When using an external emergency power supply the jumper must be opened/removed!

d) Link for fire protection

When the link is intact only short-term releases of the door leaf are possible.

e) Signalling LED

f) Service plug B 5528 0931

g) Connecting terminals for 24 V DC supply voltage

h) Connecting terminals for control inputs I1 and I2

**Control input I1**

Release of active leaf (only latch trigger extends)

**Control input I2**

Release of active and passive leaf (latch and deadbolt triggers extend, vertical rods retract)

i) Connecting terminals for signal outputs at lock

**Signal contact 1 ("Locked by motor" position reached)**

Signal contact 1 (terminal 41 and 51) closes as soon as the motor-driven shoot-bolt lock has reached its initial position. During this process, the latch and deadbolt triggers are retracted and the top and bottom locking move to the locked position. The actual automatic locking operation of the passive leaf is only performed once the passive-leaf control lock B 1895 has been triggered by the closing door leaf.

Signal contact 2 ("Unlocked by motor" position reached)

Signal contact 2 (terminal 42 and 52) is closed as soon as the shoot-bolt lock has been driven by the motor to the final position of the actuated release mode (release of active and passive leaf).

j) Connecting terminals for deadbolt and latch switching contact

**Deadbolt monitoring (only for lock B-1893x)**

The deadbolt monitoring signal is output potential-free via the deadbolt monitoring relay contact (terminal 43 and 53) as soon as the deadbolt of the active leaf lock engages in the shoot-bolt lock.

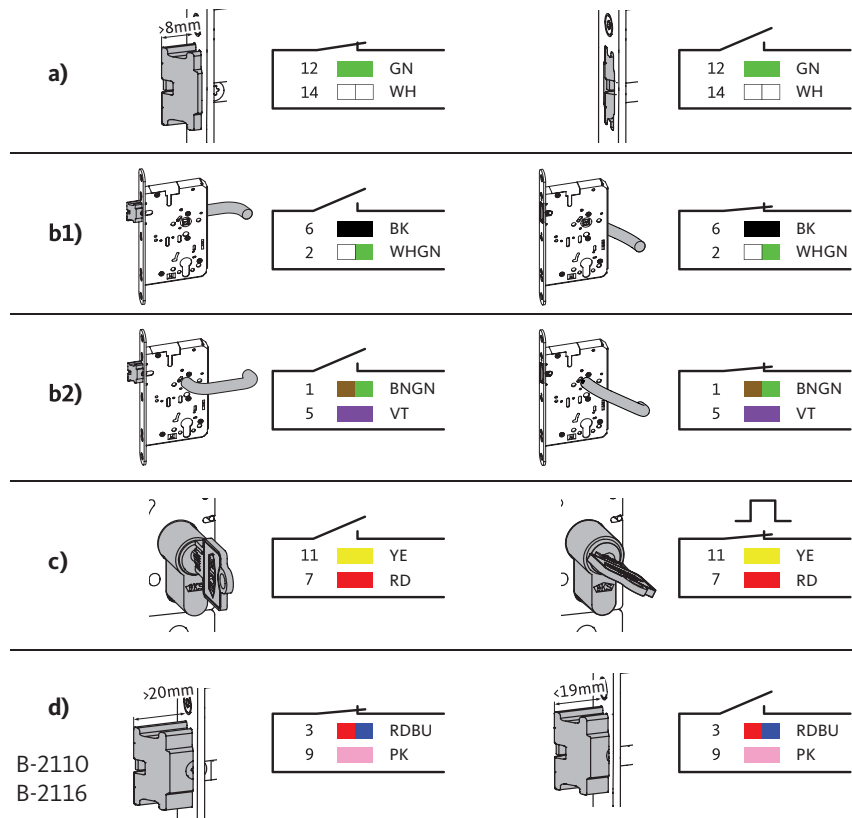
**Latch (latchbolt) monitoring**

The latch or latchbolt monitoring signal is output potential-free via the latch (latchbolt) monitoring relay contact (terminal 44 and 54), as soon as the latch or latchbolt of the active leaf lock engages in the shoot-bolt lock.

If the contact opens, the active leaf is released and can be opened, e.g. by a door drive.

# Panic lock

B-2110 / B-2111 / B-2116 / B-2117



## Monitoring functions – series 21

### Connected values

Switching capacity (max.) 3 W  
 Switching current DC (max.) 100 mA  
 12 V DC/80 mA  
 24 V DC/40 mA

### Note!

The B 5490 0300 connecting cable (length 10 m) is not included in the scope of delivery and must be ordered separately.

### Accessories

#### Not included in the scope of delivery:

Connecting cable B 5490 0300,  
 length 10 m (type LiYY 14 x 0.14 mm<sup>2</sup>)

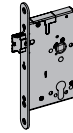
### Optional:

B 5371 0020 lock tester



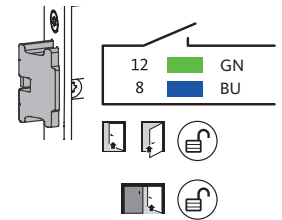
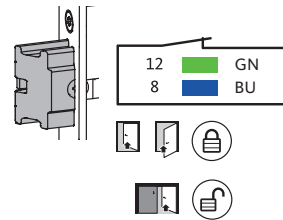
# Electrically coupled panic lock

B-2170 / B-2171 / B-2175 / B-2180 / B-2181

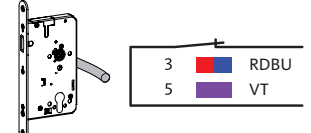
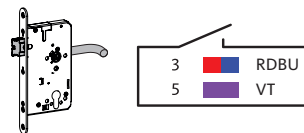


a,b1,b2,d:  
max 30V  
max 500mA

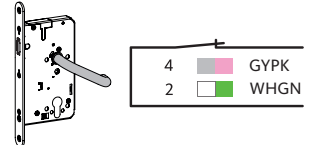
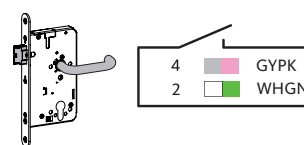
a)



b1)



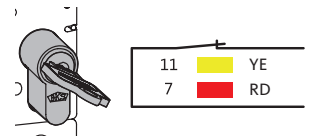
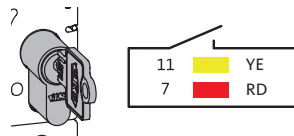
b2)



c)



d)



+12 - +24 V DC 13 BN  
GND 14 WH  
≈ 100 mVpp IEC 60757

## Electrically coupled panic lock

The exterior lever handle is electrically activated, i.e. access can be controlled electrically. Activation is possible by means of the door opener button, intercom or similar, time switches, or access control system. The statuses of the individual lock components are also queried electrically via integrated switches.

### Accessories

#### Not included in the scope of delivery:

Connecting cable B 5490 0300,  
length 10 m (type LiYY 14 x 0.14 mm<sup>2</sup>)

#### Optional:

B 5371 0020 lock tester



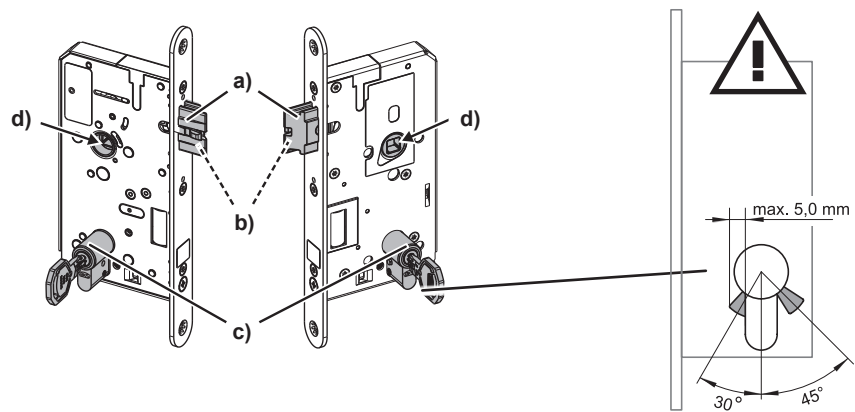
# Motor-driven panic lock

B-2156/B-2157



The lock can report the following states:

- a) Latchbolt locked
- b) Latchbolt unlocked
- c) Cylinder operation via the cylinder locking cam contact (short-term release/for single passage)
- d) Lever handle monitoring



## Motor-driven panic lock

The following elements of the motor-driven locks B-2156/B-2157 can be monitored electrically:

- Latchbolt
- Lever handle
- Cylinder locking cam

Individual lock elements or combinations of these can be electrically monitored.

## Accessories

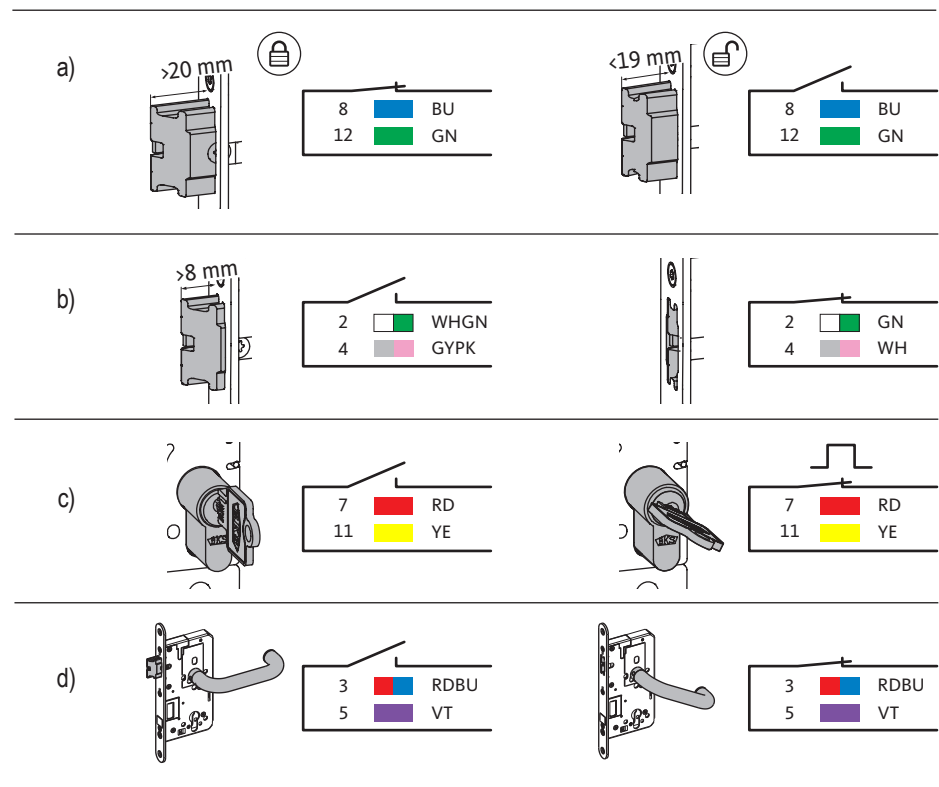
### Not included in the scope of delivery:

Connecting cable B 5490 0300, length 10 m (type LiYY 14 x 0.14 mm<sup>2</sup>)

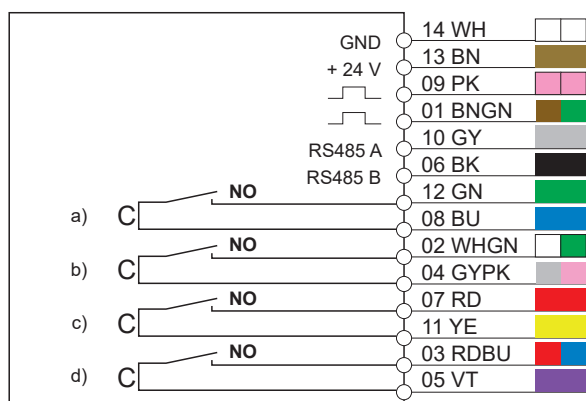
### Optional:

Lock tester B 5371 0020

Emergency power buffer B 5490 0312



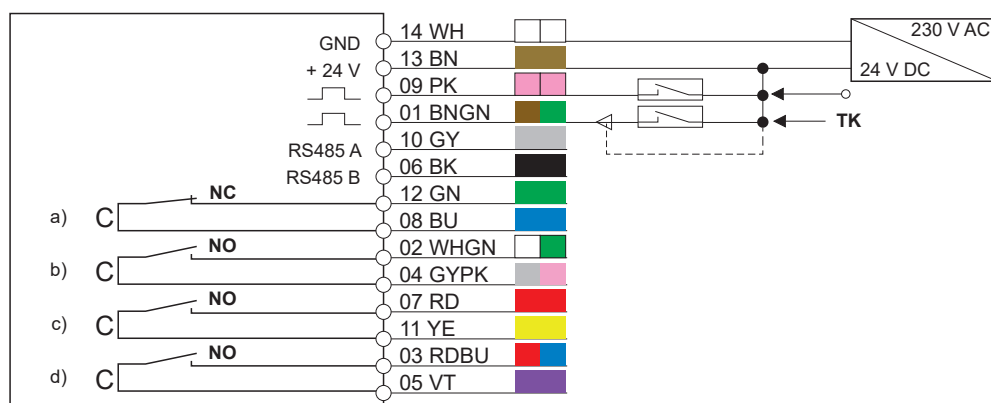
### Statuses of the lock contacts in the de-energised state



### Statuses of the lock contacts in initial position

The initial position is defined as possible:

- Operating voltage is applied
- Door closed (latchbolt locked)
- Lever handle not actuated
- Door contact (TK) closed



If the door contact (TK) is not used, connect the contact "TK" (pin 01/brown-green) with the connection "+24 V" (Pin 13/brown).

# Motor-driven shoot-bolt lock

B-2193/B-2393

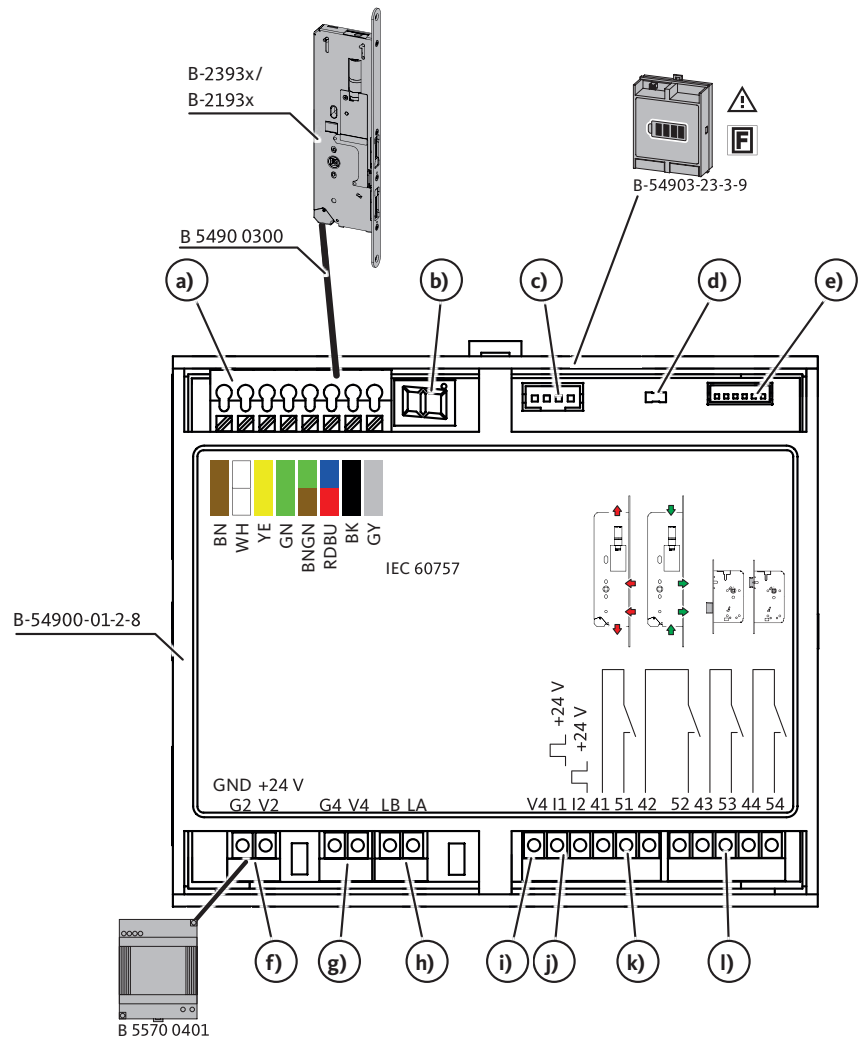


Fig. 1: Connections

## Motor-driven shoot-bolt lock

### Accessories

#### Not included in the scope of delivery:

Control unit for motor-driven lock

B-54900-01-3-9

Connecting cable B 5490 0300,

length 10 m (type LiYY 8 x 0.14 mm<sup>2</sup>)

Power supply unit (24 V DC/4.2 A)

B 5570 0401

Emergency power buffer for

fire rated doors B-54903-23-3-9

Top-hat rail housing for control, buffer

and power supply unit B 5495 0251

- a) Terminal clamps for motor-driven shoot-bolt lock B-2393x or B-2193x
- b) Display of the operating status (see Chapter on signalling)
- c) Connection plug for emergency power buffer B-54903-23-3-9
- d) Link for fire protection

When the link is intact only short-term releases of the door leaf are possible.

- e) Service plug B 5528 0931
- f) Connecting terminals for supply voltage 24 V DC, 2–4.2 A
- g) Connecting terminals for supply voltage for external devices 24 V DC, max 1 A (e.g. I/O module)
- h) Service terminals
- i) Supply voltage for control inputs 24 V DC
- j) Connecting terminals for control inputs I1 and I2

**Control input I1**

Release of active leaf (only latch trigger extends)

**Control input I2**

Release of active and passive leaf (latch and deadbolt triggers extend, vertical rods retract)

- k) Connecting terminals for signal outputs at lock

**Signal contact 1 ("Locked by motor" position reached)**

Signal contact 1 (terminal 41 and 51) closes as soon as the motor-driven shoot-bolt lock has reached its initial position. During this process, the latch and deadbolt triggers are retracted and the top and bottom locking move to the locked position. The actual automatic locking operation of the passive leaf is only performed once the passive-leaf control lock B 1895 has been triggered by the closing door leaf.

Signal contact 2 ("Unlocked by motor" position reached)

Signal contact 2 (terminal 42 and 52) is closed as soon as the shoot-bolt lock has been driven by the motor to the final position of the actuated release mode (release of active and passive leaf).

- l) Connecting terminals for deadbolt and latch switching contact

**Deadbolt monitoring (only with B-2393x)**

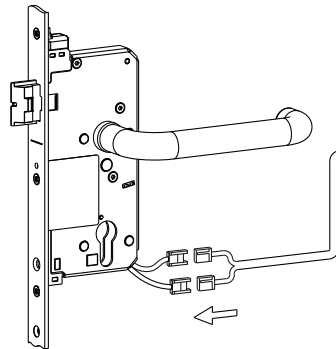
The deadbolt monitoring signal is output potential-free via the deadbolt monitoring relay contact (terminal 43 and 53) as soon as the deadbolt of the active leaf lock engages in the shoot-bolt lock.

**Latch (latchbolt) monitoring**

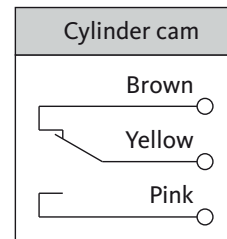
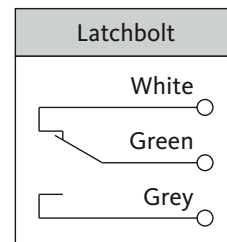
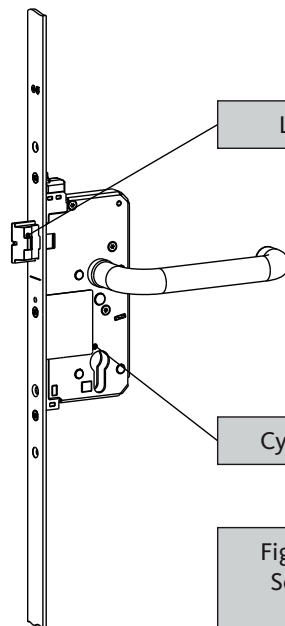
The latch or latchbolt monitoring signal is output potential-free via the latch(bolt) monitoring relay contact (terminal 44 and 54), as soon as the latch or latchbolt of the active leaf lock engages in the shoot-bolt lock. If the contact opens, the active leaf is released and can be opened, e.g. by a door drive.

# SECURY series 21

2116 EVP / 2116 S EVP



Wire colour	Function	
White	Latchbolt	NC
Grey		NO
Green		C
Brown	Cylinder cam	NC
Pink		NO
Yellow		C



Depicted switch settings with extended latchbolt and cylinder cam not actuated

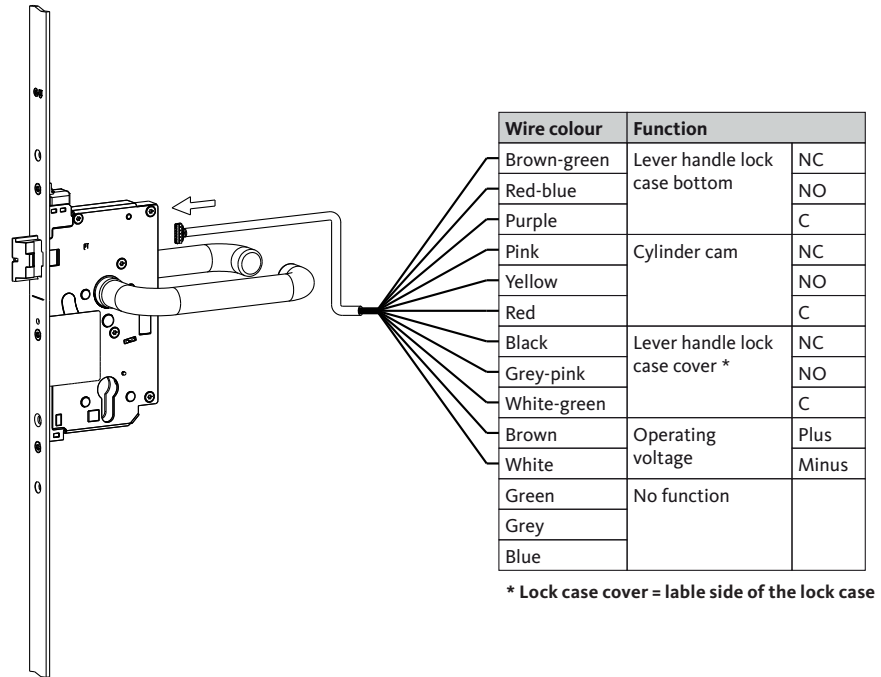
## SECURY series 21

Self-locking panic lock for single-leaf doors with mechanical panic function on the interior lever handle. Opening the door is possible at any time. Mechanical access from outside using the key (via the latch lever).

### Accessories

**Included in the scope of delivery:**

Connecting cable type LiYY 14 x 0.14 mm<sup>2</sup>



## SECURY series 21

The exterior lever handle is electrically activated, i.e. access can be controlled electrically. Activation is possible by means of the door opener button, intercom or similar, time switches, or access control system. The statuses of the individual lock components are also queried electrically via integrated switches.

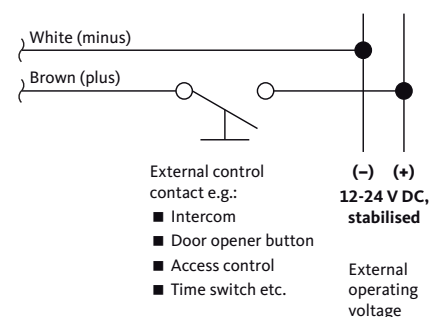
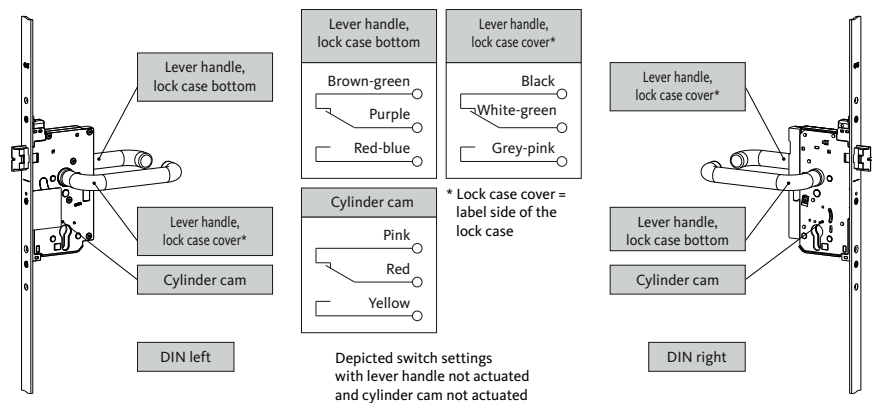
### Functional description

Two electrically independent microswitches monitor and signal the most important unlocked/locked statuses. Monitored components: cylinder cam and latchbolt. The terminal assignment is shown in the above diagram.

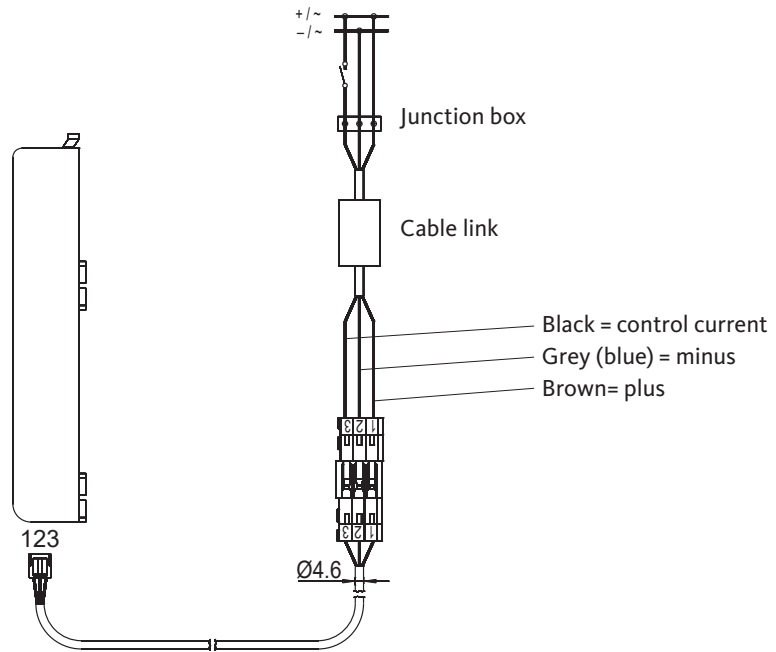
### Accessories

**Included in the scope of delivery:**

Connecting cable type LiYY 14 x 0.14 mm<sup>2</sup>



# A-opener



## K-18153-01-0-0 A-opener

Other loads (such as an electric strike or a lamp) must not be connected in parallel with the A-opener. If an additional load is required, a relay must be connected in-between.

**Important:** A switch for "permanent running" may be installed in parallel with the "Open" push-button (daytime latch release function). The switching time is unlimited.

Supply voltage	12 V AC 12-24 V DC (stabilised)
Nominal current	1 A
Protection code	IP40
Preload unlocking	With 12 V AC or DC up to 280 N With 24 V DC up to 400 N





Gretsch-Unitas GmbH  
Baubeschläge  
Johann-Maus-Str. 3  
71254 Ditzingen, Germany  
Tel. +49 (0) 71 56 3 01-0  
Fax +49 (0) 71 56 3 01-77 980

BKS GmbH  
Heidestr. 71  
42549 Velbert, Germany  
Tel. +49 (0) 2051 201-0  
Fax +49 (0) 2051 201-9733

Gretsch-Unitas AG  
Industriestr. 12  
3422 Rütligen  
Switzerland  
Tel. +41 (0) 34 448 45-45  
Fax +41 (0) 34 445 62-49

GU Baubeschläge Austria GmbH  
Mayrwiesstr. 8  
A-5300 Hallwang  
Austria  
Tel. +43 (0) 662 66 48 30  
Fax +43 (0) 662 66 48 30-3 01

[www.g-u.com](http://www.g-u.com)

Securing technology for you

