

DRIVE

Comfort systems

Analogue technology:

SIEGENIA access control systems

Cable links

Cable & power supply

Accessories

Window systems

Door systems

Comfort systems

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Worth knowing

SIEGENIA is going DIGITAL

Since the 1. generation of GENIUS multi-point locks we have been working with analogue outputs for the processing of opening signals, e. g. intercom systems, access control systems with keypad or fingerprint scanner or further signal transmitters. The electronic type B of the GENIUS multi-point locks are additionally equipped with analogue outputs, which can indicate the locking status, e. g. burglary alarm systems.

Since 2016 the drives of our electromechanical multi-point locks have been equipped with a digital interface, the so-called SIEGENIA-BUS (SI-BUS). With the launching of the digital SIEGENIA access control systems in 2020, the SI-BUS became usable.

The integration of analogue inputs / outputs and the digital SI-BUS means that both interfaces can be used simultaneously.

Hence, there is an option of pure analogue installation solutions or completely digital SI-BUS solutions. Likewise, the parallel operation of analogue and digital installation solutions, so-called mixed operation, is possible.

What is the completely digital installation (SI-BUS)?

The SI-BUS is a digital interface which operates via four-wire technology. In this case two lines are used for power supply and two further lines are used for signal and data transmission. The SI-BUS uses a specifically developed communication log for the exchange of data with the SI-BUS compatible devices.

Third-party systems like intercom systems, clock timers, Smarthome-switching actuators, access control systems from third-party manufacturers, burglary alarms etc. operate with analogue switching signals and can therefore not directly transmit an opening signal to a digital SI-BUS installation. You will need an additional IO module in individual cases when third-party systems can be integrated alongside the digital SIEGENIA-access control systems. This IO module converts the analogue opening signals of third-party systems into a digital signal for the SI-BUS.

You will find completely digital solutions in our catalogue:

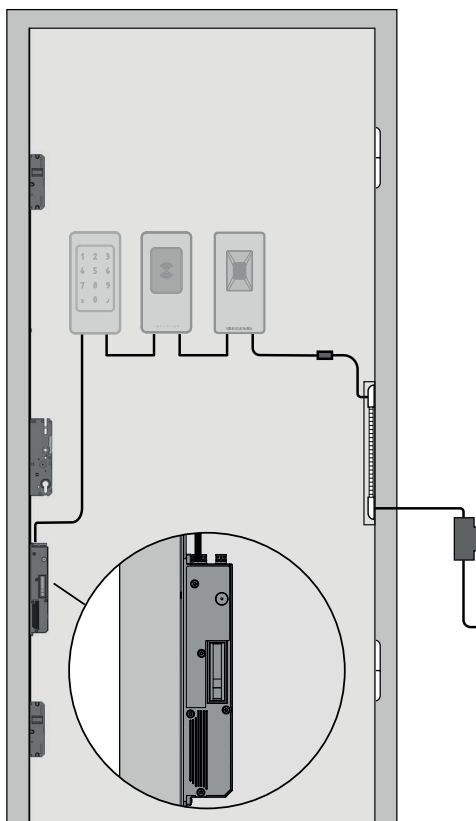
**DRIVE – Product catalogue comfort systems -
SIEGENIA access control systems**

What is pure analogue installation?

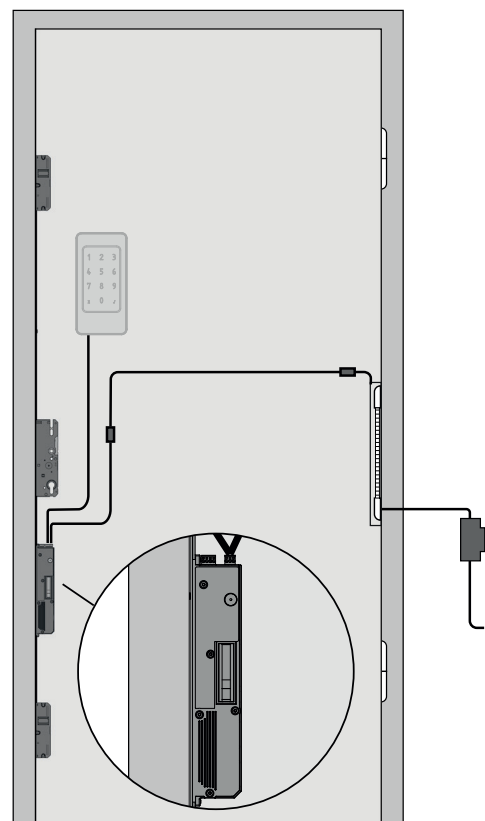
The digital SI-BUS interface is not used for the pure analogue installation. Operation is exclusively with the analogue inputs and outputs.

They use the corresponding connections for this purpose. This installation is necessary when exclusively third-party systems on site such as intercom systems, clock timers, Smarthome switching actuators or burglary alarms are used or access control systems from third-party manufacturers are used inside or outside the sash. You can use all accessory components such as cables, cable transfers and power supplies from this catalogue for this purpose.

GENIUS 2.2 via SI-BUS connection



GENIUS 2.2 via analogue connection



What is MIXED OPERATION?

A mixed operation installation can be necessary for different reasons.

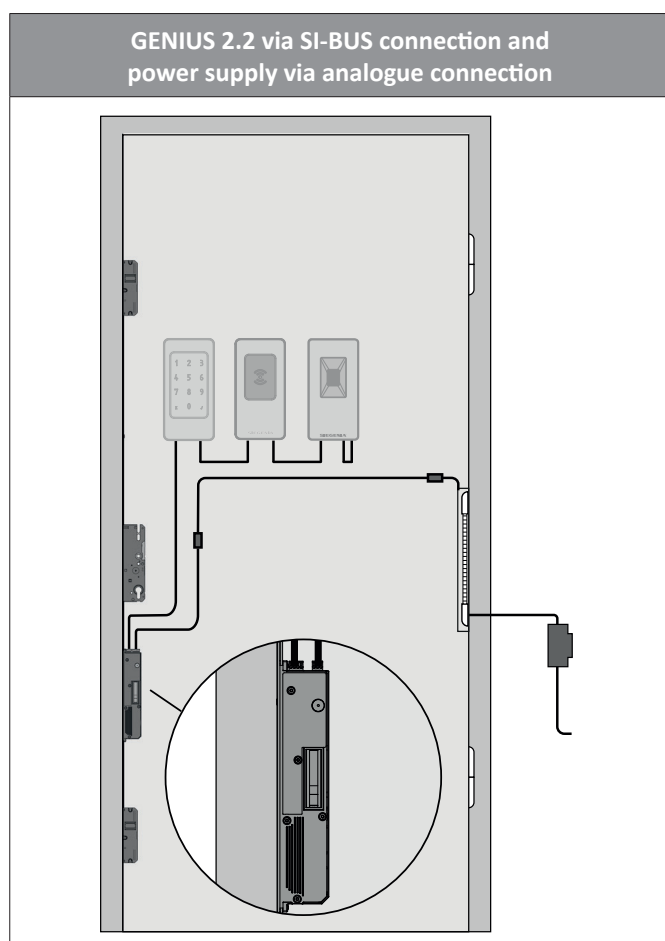
- The digital SI-BUS installation components (cable, cable transfer) cannot be used for technical reasons (size, installation location etc.), but you still want to use the SIEGENIA access control system in the sash.
- You would like to use your existing analogue signal transmitter (e. g. intercom system) parallel to the SIEGENIA access control system and want the installation to be as lean and easy as possible.

Just use the analogue installation components (cable, cable transfer) and the SIEGENIA access control systems that are exclusively installed in the sash from this catalogue.

The analogue installation components (cable, cable transfer) are connected with the corresponding connections and therefore supply the drive and the SIEGENIA access control systems connected to the SI-BUS.

As the digital SI-BUS is not led out of the sash, installation of the SIEGENIA access control systems is only possible in the sash. If installation of the SIEGENIA access control systems outside the sash should be necessary, use the installation solutions from the catalogue:

DRIVE – product catalogue comfort systems - SIEGENIA access control systems

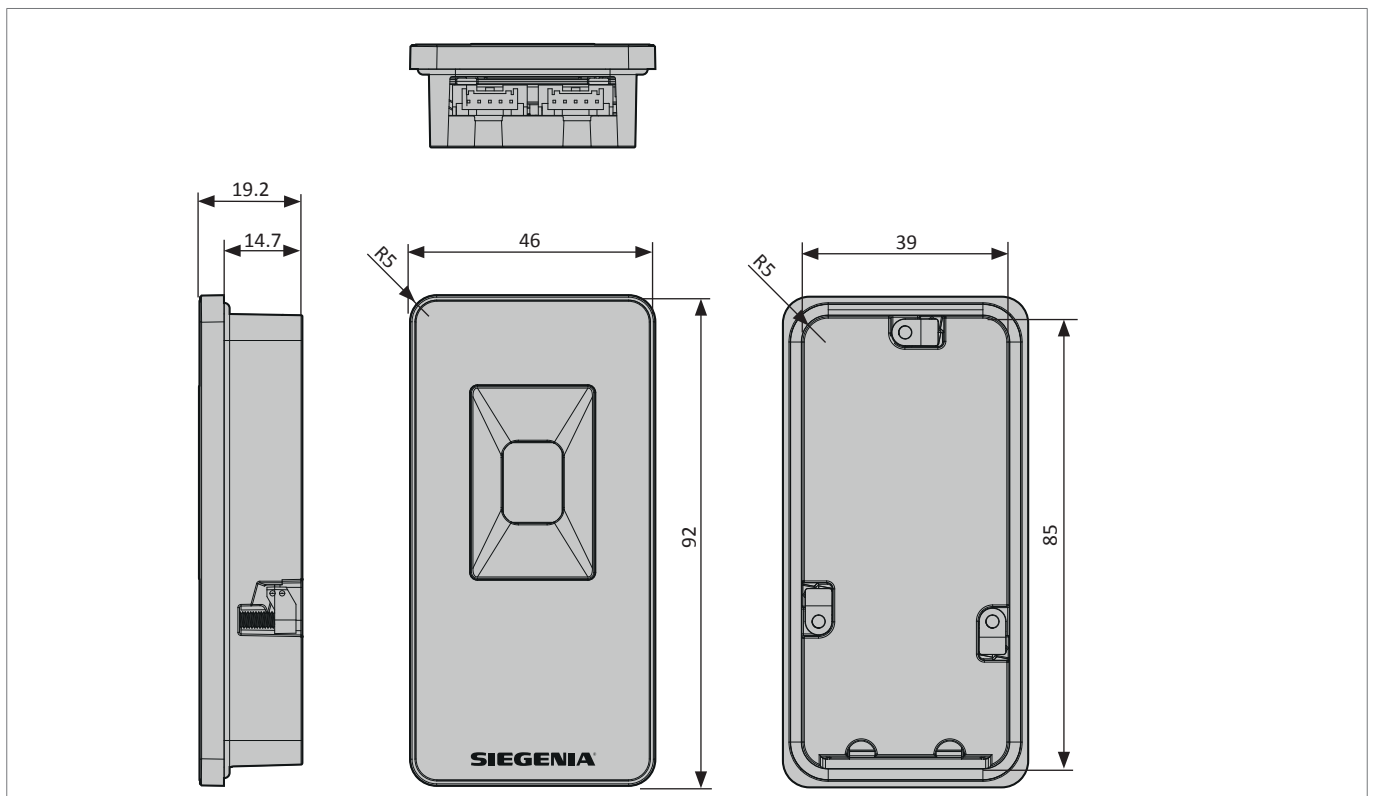


SIEGENIA access control systems

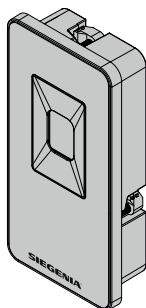
More control and comfort due to intelligent, future-oriented doors

Our digital access control systems combine clever comfort functions with an elegant appearance and the easiest operation. Due to the SI-BUS interface, all three systems can communicate directly with the drive without an additional control unit. This digitalisation keeps all options open for integration in smart living concepts or for future system extensions. Further networking can be accomplished either via the SI-BUS and by operation via WIFI. The complete SI-BUS is secured with a 128 Bit AES encryption.

- With WIFI and Bluetooth chip as standard
- 128 Bit AES encryption and access log
- Control via the SIEGENIA Comfort app is possible
- Online remote access, timer and user administration
- Administration of up to 200 users or 800 features
- One-time users or interval users
- Colour-adjustable LED lighting for individual tone-to-tone adaptation to the entrance door
- Brightness of the LED lighting both manually and automatically controllable
- Uniform design line
- Operating voltage: 9 V DC to 30 V DC
- Door material: timber, PVC or aluminium
- Sensor type: surface sensor (fingerprint scanner), touch sensor (keypad), RFID (transponder)
- WIFI: 2.4 GHz / 802.11b/g/n/e/i
- Bluetooth: V4.2 BR/EDR and BLE
- Encryption: AES 128 Bit / WPA2
- Lighting: 6 x RGB LED (multi-coloured)
- Brightness controllable: automatically via light sensor or manually
- SI-BUS interface
- Ambient temperature range in the door: -25°C to $+70^{\circ}\text{C}$
- Protection class: IP54 front side

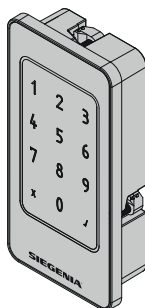


Fingerprint scanner



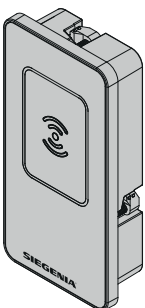
- Fingerprint scanner basic unit **3513110**
- Cover for fingerprint scanner black **3513114**
- Cover for fingerprint scanner signal grey **3513113**
- Set: fingerprint scanner, cover black & cable **3513136**
- Set: fingerprint scanner, cover signal grey & cable **3513139**

Keypad



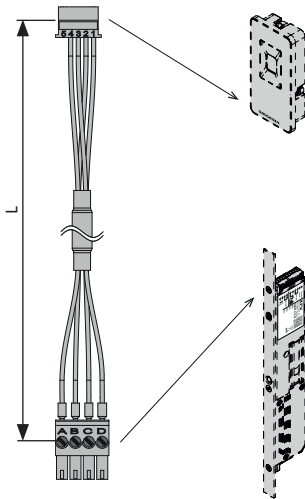
- Keypad basic unit **3513112**
- Cover for keypad black **3513118**
- Cover for keypad signal grey **3513117**
- Set: keypad, cover black & cable **3513138**
- Set: keypad, cover signal grey & cable **3513141**

Transponder (available from 2022)



- Transponder basic unit **3513111**
- Cover for transponder black **3513116**
- Cover for transponder signal grey **3513115**
- Set: transponder, cover black & cable **3513137**
- Set: transponder, cover signal grey & cable **3513140**

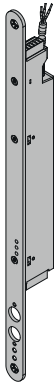
Cable
SI-BUS interface <->
SI-BUS plug



- Cable to connect the SI-BUS interface of the GENIUS/A-opener with the SIEGENIA access control system
- Cable length L=1.00 m **3513124**

Frame-integrated power supply, cable transfer & cable

Frame-integrated power supply



The power supply is intended for installation in the door frame (milling required), usable for GENIUS, A-opener and SIEGENIA access control systems.

Shield length 375 mm matt brushed stainless steel.

Casing dimensions (H x W x D):
245 mm x 20 mm x 38 mm

Input voltage: 115 up to 230 V AC; 50 / 60 Hz

Output voltage: 24 V DC

Output current: max. 0.9 A

Nominal power: 21.5 W

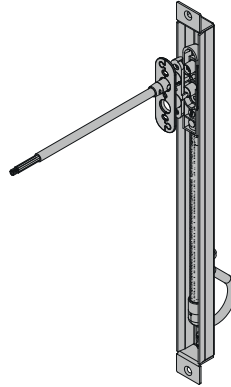
Connection of a 12 V AC / DC switching signal (from intercom system or E-opener) as opening signal for GENIUS is possible.

Separable, frame-integrated power supplies

Flat face plate 20 mm, rounded **3499719**

Flat face plate 24 mm, rounded **3499720**

Cable transfer with integrated plug connection, separable



Cable transfer 100° for concealed door rebate installation. Series KU624

24 x 302 x 18 mm (W x H x D)

Support box door side

Cable length door side: 3.00 m

Cable length frame side: 0.10 m **3499575**

Cable transfer 180° for concealed door rebate installation.

24 x 480 x 18 mm (W x H x D)

Support box door side

Cable length door side: 3.00 m

Cable length frame side: 0.10 m **3499574**

Cable length door side: 3.00 m

Cable length frame side: 0.75 m **3499584**

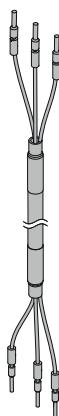
Cable transfer, not separable



Cable transfer with 100° opening angle for concealed door rebate installation. The casing can be mounted in the door frame or the door leaf. Series KU224

24 x 260 x 18 mm (W x H x D) **3308791**

Cable type E



Cable type E in conjunction with GENIUS type A or A-opener

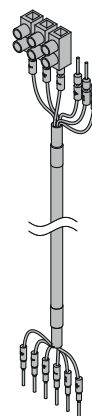
Cable length 4 m

3378078

Cable length 8 m

3378079

Cable type K



Cable type K in conjunction with GENIUS type B or GENIUS Panic

Cable length 4 m

3496311

Cable length 8 m

3496312

Top hat rail power supply, cable transfer & cable



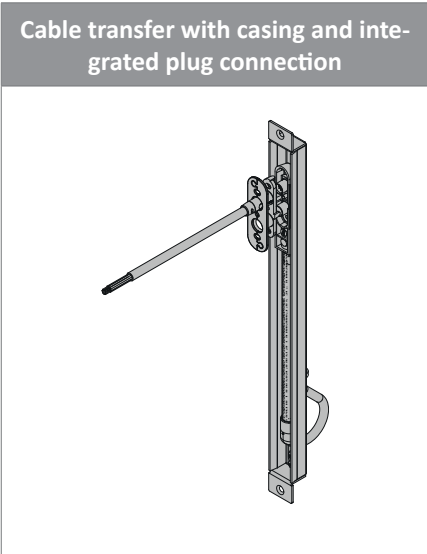
The power supply is intended for installation on a standardised rail nut (35 mm), usable for GENIUS, A-opener and SIEGENIA access control systems.

Casing dimensions (H x W x D):
approx. 91 mm x 54 mm x 56 mm

Input voltage: 90 up to 264 V AC; 50 / 60 Hz

Output voltage 24 V DC
Output current: 2.5A

Nominal power: 60 W **3509884**



Cable transfer 100° for concealed door rebate installation. Series KU624

24 x 302 x 18 mm (W x H x D)

Support box frame side

Cable length door side: 3 m

Cable length frame side: 8 m **3484333**

Cable length door side: 4 m

Cable length frame side: 8 m **3484334**

Support box door side

Cable length door side: 3 m

Cable length frame side: 8 m **3484332**

Cable transfer 180° for concealed door rebate installation.

24 x 480 x 18 mm (W x H x D)

Support box frame side

Cable length door side: 3 m

Cable length frame side: 8 m **3475148**

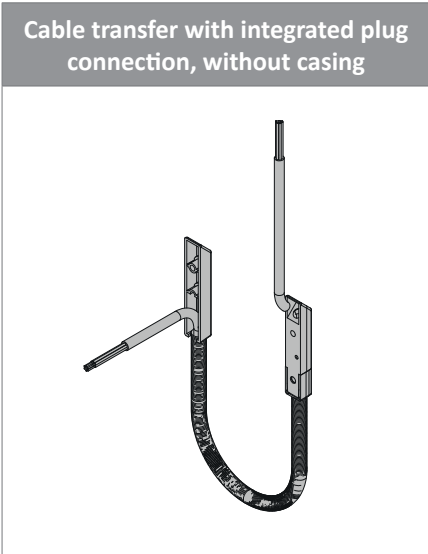
Cable length door side: 4 m

Cable length frame side: 8 m **3475149**

Support box door side

Cable length door side: 3 m

Cable length frame side: 8 m **3475147**



Cable transfer for concealed door rebate installation. Series KU600

11 x 220 x 8.5 mm (W x H x D)

Plug connection frame side

Cable length door side: 4 m

Cable length frame side: 8 m **3496920**

Cable transfer, not separable

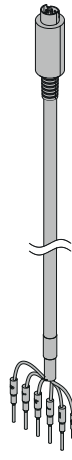


Cable transfer with 180° opening angle for concealed door rebate installation. The casing can be mounted in the door frame or the door leaf. Series KU224

24 x 480 x 18 mm (W x H x D)

3308792

Cable type F - sash side



The cable is equipped with a plug connection. It is used to transmit power or signals from the power supply to the GENIUS or A-opener motor. Is combined with type B cable.

- pre-assembled on the motor side
- numbered
- with plug
- 6-wire
- shielded

Cable length 3 m

3381525

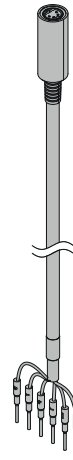
Cable length 4 m

3381527

Cable length 5 m

3381529

Cable type B - hinge side



The cable is equipped with a plug connection. It is used to transmit power or signals from the power supply to the GENIUS or A-opener motor. Is combined with cable type F.

- pre-assembled on the power supply side
- numbered
- with bushing
- 6-wire
- shielded

Cable length 4 m

3308723

Cable length 6 m

3308724

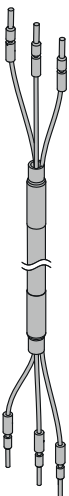
Cable length 8 m

3308725

Cable length 12 m

3368937

Cable type E

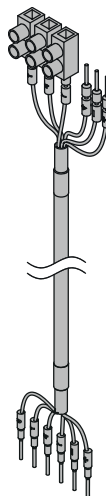


Cable type E in conjunction with GENIUS type A or A-opener

Cable length 12 m

3378080

Cable type K

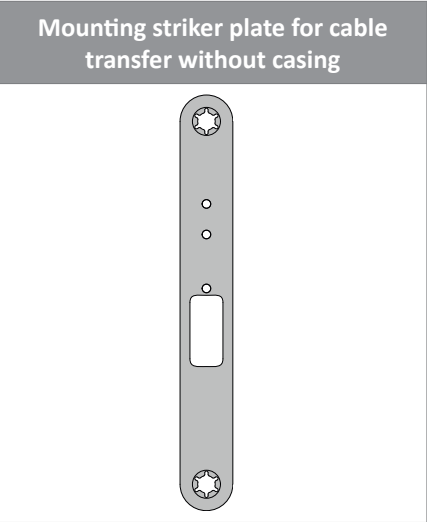


Cable type K in conjunction with GENIUS type B or GENIUS Panic

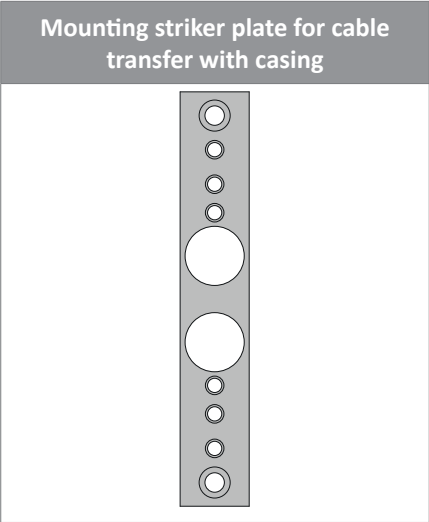
Cable length 12 m

3467119

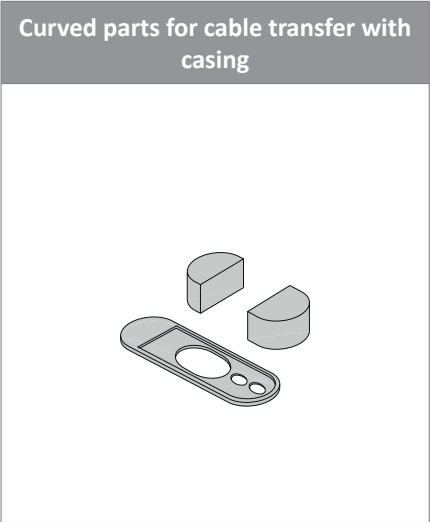
Assembly aid for cable transfers



For installation in timber and PVC doors with 16 mm hardware groove eurogroove.
16 x 126 x 3 mm (W x H x D) **3508204**



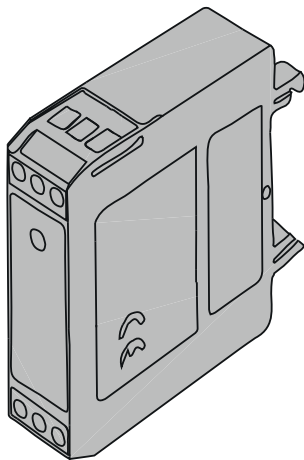
For installation in PVC doors.
16 x 96 x 3 mm (W x H x D) **3498533**
20 x 96 x 3 mm (W x H x D) **3513074**
24 x 96 x 3 mm (W x H x D) **3513075**



Assembly accessories for the installation of concealed cable transfers in timber doors.
24 x 302 x 18 mm (W x H x D) **3443749**

Accessories

Coupling relays 12 V and 24 V



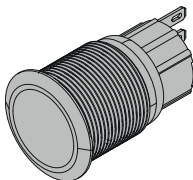
The 12 V coupling relay is used for retrofitting the E-opener to GENIUS or the A-opener.

12 V AC / DC; top hat rail mounting **3327769**

The 24 V coupling relay is used for feedback of the GENIUS TYPE B to an alarm system or a motorised door drive.

24 V AC / DC; top hat rail mounting **3374274**

Button interior side of the door

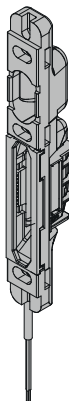


The button is used to open the door via the interior side of the door for multi-point locks without the "comfort" option (GENIUS EA / EB).

- Brushed matt stainless steel button
- Dowels included
- Snap-in installation

Cable length 0.75 m **3386310**
Cable length 1.00 m **3413891**

Bolt switch contact



The bolt switch contact is used to query whether the hook bolt has been completely locked off.

- Installation in the locking rail or in the striker plate
- Replaces the Q-adjustment
- Function of the Q adjustment is retained
- Protection class in accordance with DIN 40050 VdS environmental class III, IP 67
- Contact type changeover contact
- Switching capacity max. 3 W / VA
- Switching voltage max. 30 V DC
- Switching current max. 0.2 A
- Installation location for external and internal doors
- Switching point adjustable
- Certification VdS class C G 114009
- Several bolt switch contacts can be connected in series

Cable length 6 m **3496082**
Cable length 10 m **3501530**

Components for fire-rated doors



Special versions must be used when GENIUS multi-point locks are installed in fire-rated doors.
Please contact our sales dept. to define the best version for your individual application.

Cable transfer concealed



Cable transfer for concealed door rebate installation. The casing can be mounted in the door frame or the door leaf.

20 x 382 x 16 mm (W x H x D)

Optional:
curved parts for cable transfer with casing

20 x 302 x 18 mm (W x H x D)

3458247

3458254

Fire-resistant cable type OK - FS



The fire-resistant cable serves the power and signal transmission from the power supply or the emergency power supply to the GENIUS motor.

- FEP sheath, flame-retardant: IEC 60332-1, EN 50265-2-1
- Sheath of TPE:
 - flame-retardant: IEC 60332-1, EN 50265-2-1
 - no fire propagation: IEC 60332-3, EN 50266-2, NF C 32070
 - low fire load: DIN 51900
- pre-assembled on both sides and fitted with wire-end ferrules
- numbered on both sides
- 6-wire
- shielded
- Length: 12 m

3474871

Emergency power buffer



The emergency power buffer maintains the energy supply to the GENIUS motor once in emergency operation.

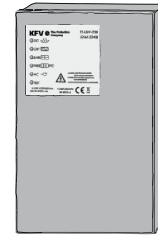
Essential for the use of GENIUS multi-point locks in fire-rated doors.

The emergency power buffer, variant A0, is designed for use in FS doors without additional PANIC requirements and can therefore also be used for higher RC classes.

The emergency power buffer, variant A1, is designed for use in FS doors with additional PANIC requirements and facilitates the possibility of escape in case of emergency, in that the door is released in case of power failure and only the latch need be drawn via the inside lever handle or the PUSH BAR.

- Variant A0:
without automatic daytime-mode changeover, length: 0.60 m **3516341**
- Variant A1:
with automatic daytime-mode changeover, length: 0.60 m **3516590**

Power supply with emergency power supply



The emergency power supply is designed for surface-mounted wall installation, usable for GENIUS and KfV access control systems.

The emergency power supply maintains the energy supply to the GENIUS motor for repeated use in emergency operation. Essential for the use of GEP GENIUS PANIC multi-point locks in fire-rated doors.

Casing dimensions (H x W x D)
approx. 350 x 230 x 85 mm

Input voltage: 230 V AC; 50 / 60 Hz
Output voltage: 24 V DC / max. 2 A

LED status indicators, relay outputs for AC and rechargeable battery errors.
3471104

To be ordered separately: 2 rechargeable batteries 7Ah / 12 Volt **3470680**

Explanation of material descriptions

electromechanical cables, cable transfers, power supplies, clamps and test units

Position in material description																
1-3	4	5-10	11	12-13	14-15	16-18	19-20	21	22-25	26	27-30	31	32-33	34	35-37	38-39
Assembly	Empty space	Article	Dash	Interface (analogue terminal / SI-BUS)	Dashes	Faceplate geometry	Face plate width	Cable type or square end / rounded	Cable length in metre (m)	Cable type	Cable length in metre (m)	Dash	Surface	Termination for cables / cable transfers or voltage for power supplies	Opening angle e. g. for cable transfers / type of clamp	Installation position / range of application
																Empty or special design

Example for cable transfer KU600

ZEM		KU600-	-	AK	--	---	--	F	4.00	B	8.00	-	--	H	100	--
-----	--	--------	---	----	----	-----	----	---	------	---	------	---	----	---	-----	----

Example for power supply series 700K incl. cable transfer

ZEM		NT700K	-	AK	--	F--	24	F	0.16	B	0.16	-	41	P	180	FL
-----	--	--------	---	----	----	-----	----	---	------	---	------	---	----	---	-----	----

1-3	Assembly
ZEM	Electromechanical accessories
4	Empty space
5-10	Article
AKA300	Adapter cable series 300, 3-core, analogue terminal
AKA600	Adapter cable series 600, 6-core, analogue terminal
AKU600	Adapter cable series 600, 6-core, analogue terminal, for cable transfer KU600, for test unit PG600 (PG03)
AKU624	Adapter cable series 600, 6-core, analogue terminal, for cable transfer KU624, for test unit PG600 (PG03)
ANT400	Adapter cable series 400, 4-core, SI-BUS, for frame power supply
BM400-	Clamp for cable transfer series 400
BM624-	Clamp for cable transfer series 624
BMRDT-	Clamp for cable transfer series 220 and 400
KA300-	Cable series 300, 3-core, analogue terminal
KA400-	Cable series 400, 4-core, SI-BUS, plug SI-BUS double-sided
KA410-	Cable series 410, 4-core, SI-BUS, plug SI-BUS / drive
KA420-	Cable series 420, 4-core, SI-BUS, plug SI-BUS / wire-end ferrules
KA430-	Cable series 430, 4-core, SI-BUS, plug SI-BUS / bushing SI-BUS
KA600-	Cable series 600, 6-core, analogue terminal
KA600F	Cable series 600 fire retardant, 6-core, analogue terminal
KA700-	Cable series 700, 3-core, with safety plug
KA720-	Cable series 720, 3-core, analogue terminal, plug JST 3-pin / bushing JST 3-pin
KA730-	Cable series 730, 3-core, analogue terminal, plug JST 4-pin / bushing JST 4-pin
KU100-	Cable transfer series 100 visible
KU220-	Cable transfer series 220 pluggable, concealed with casing, width 20 mm
KU224-	Cable transfer series 224 pluggable, concealed with casing, width 24 mm
KU400-	Cable transfer series 400 pluggable, concealed without casing, SI-BUS
KU600-	Cable transfer series 600 pluggable, concealed without casing, analogue terminal
KU624-	Cable transfer series 624 pluggable, concealed with casing, analogue terminal
NT200-	Power supply for top hat rail mounting series 200
NT400-	Power supply for frame mounting series 400K, 4-core, incl. SI-BUS adapter cable AK400
NT600-	Power supply for frame mounting series 600, 6-core, for analogue terminal
NT624-	Power supply for frame mounting series 624, 6-core, for analogue terminal, with option for installation with cable transfer series KU624
NT600K	Power supply for frame mounting series 600K, 6-core, for analogue terminal, incl. cable transfer KU600
NT700K	Power supply for frame mounting series 700K, 6-core, incl. cable transfer
PG400-	Test unit series 400 for SI-BUS analytic tool incl. SI-BUS adapter cable 4-core
PG600-	Test unit series 600, 6-core, analogue terminal
11	Dash

DRIVE - Product catalogue

Comfort systems, access control

12-13	Interface (analogue terminal / SI-BUS)
AK	Analogue terminal
SB	SI-BUS (digital)
--	no relevance
14-15	Dashes
16-18	Faceplate geometry
F--	Flat face plate
Pxx	U-profile faceplate / height in millimetre (mm)
---	no relevance
19-20	Face plate width
xx	Width in millimetre (mm)
--	no relevance
21	Cable type or square end / rounded
for cables KA..	
D	Cable type D, mains plug cable
E	Cable type E, 3-core, continuous
F	Cable type series F, 6-core, separable with plug connection, for installation in sash
K	Cable type K, 6-core, continuous
P	Cable type P, 3-core, continuous, with plug connection
for faceplates	
A	Rounded faceplate
K	Square end faceplate
-	no relevance
22-25	Cable length in metre (m)
xxxx	Cable length in metre (m)
----	no relevance
26	Cable type
B	Cable type B, 6-core, separable with plug connection, for installation in frame
-	no relevance
27-30	Cable length in metre (m)
for cables, cable transfers and frame power supplies	
xxxx	Cable length in metre (m)
for top hat rail power supplies	
xxxW	Performance in Watt
----	no relevance

31	Dash
32-33	Surface
31	Bright zinc-plated
39	Chrome-plated
41	Brushed matt stainless steel
85	Black PVC
86	White PVC
--	no relevance
34	Termination for cables / cable transfers or voltage for power supplies
for cable transfers	
H	Wire end ferrules
P	Plug & Play
U	Not terminated
X	Different termination (e. g. Plug & Play and wire end ferrules)
for power supplies	
N	115/230 V-AC
P	115/230 V-AC, Plug & Play
-	no relevance
35-37	Opening angle, e. g. for cable transfers / type of clamp
for cable transfers	
xxx	Dimension in xxx degree (°)
Type of clamp	
ANK	Fitting case
FSB	Flat striker
RDT	Radial parts
---	no relevance
38-39	Installation position / range of application
FL	Assembly in sash
RA	Assembly in frame
KS	Assembly in PVC doors
PG	for test unit
--	no relevance
40	Empty or special design
S	Special version

Explanation of material descriptions

electromechanical access control systems, emergency power buffer, GENIUS, A-openers and magnets

Position in material description																	
1-3	4	5-10	11	12-13	14	15	16-20	21	22-25	26	27-30	31	32-33	34	35-37	38-39	40
Assembly	Empty space	Type	Dash	Interface (analogue / digital)	Communication channel -> cable connected / WIFI / Bluetooth	Dash	Additional description	Cable type	Cable length in metre (m)	Dash	Secondary performance in Watt or secondary voltage in Volt / height of magnet(s)	Dash	Surface/Colour	Termination	Series or range of application	Version	Empty or special design

Example of access control system SI-BUS fingerprint scanner																	
ZEM		ACS-FS	-	SB	M	-	-----	S	1.00	-	----	-	87	-	---	A0	

Example of bolt switch contact																	
ZEM		RS-----	-	AK	-	-	-----	R	6.00	-	----	-	SG	-	---	--	

1-3	Assembly
ZEM	Electromechanical accessories
4	Empty space
5-10	Type
EE-AOE	Electromechanical unit A-opener
EE-GEN	Electromechanical unit GENIUS
KR----	Coupling relays (1 closing and 1 opening contact)
MG01--	Magnet, round
MG02--	Magnet, oval
MG04--	Magnets, triple pack, to be adhered into place
NSP---	Emergency power buffer
RS----	Bolt switch contact
SE300-	Plug-in unit series 300, 3-core, analogue terminal
SE400-	Plug-in unit series 400, 4-core, SI-BUS
SE600-	Plug-in unit series 600, 6-core, analogue terminal
TA----	Button (locking bolt)
USV---	Uninterrupted power supply (USV)
USVBA-	Battery for use in uninterrupted power supply (USV)
ACS-FS	Access control system SI-BUS basic unit and decorative element, fingerprint scanner, including cable
ACS-KP	Access control system SI-BUS basic unit and decorative element, keypad, including cable
ACS-TR	Access control system SI-BUS basic unit and decorative element, transponder, including cable
ZKB-FS	Access control system SI-BUS basic unit, fingerprint scanner
ZKB-KP	Access control system SI-BUS basic unit, keypad
ZKB-TR	Access control system SI-BUS basic unit, transponder
ZKD-FS	Access control system SI-BUS decorative element, fingerprint scanner
ZKD-KP	Access control system SI-BUS decorative element, keypad
ZKD-TR	Access control system SI-BUS decorative element, transponder
ZKG-AP	Access control system SI-BUS casing for surface installation
ACS-CK	Access control system SI-BUS, chip card, transponder
ACS-PVC	Access control system SI-BUS, keyfob, transponder
ACS-SN	Access control system SI-BUS, installation aid, suction pad for decorative element
ZSA-FE	Access control system analogue, radio receiver, radio or transponder
ZSA-AW	Access control system analogue, evaluation electronics, transponder
ZSA-FS	Access control system analogue, hand-held transmitter, radio
ZSA-DO	Access control system analogue, dongle, transponder
ZKM-IO	Access control system analogue IO module
ZKM-WM	Access control system analogue, WIFI module
11	Dash

DRIVE - Product catalogue

Comfort systems, access control

12-13	Interface (analogue / digital)
AK	Analogue terminal
SB	SI-BUS (digital)
--	no relevance
14	Communication channel -> cable connected / WIFI / Bluetooth
F	Wireless
K	Cable connected
T	Transponder
W	WIFI
M	Bluetooth + WIFI
X	Bluetooth + WIFI + wired
-	no relevance
15	Dash
16-20	Additional description
BAT- TERRY-	Battery as energy storage system / emergency energy storage system
ROUND-	Outer contour of product is round
OVAL-	Outer contour of product is oval
TRAP-	Outer contour of product is trapezoid
-----	no relevance
21	Cable type
R	Cable type R, for bolt switch contact
S	Cable type S, for SI-BUS
T	Cable type T, for button
-	no relevance
22-25	Cable length in metre (m)
xxxx	Length in metre (mm)
----	no relevance
26	Dash
27-30	Secondary performance in Watt or secondary voltage in Volt / height of magnet(s)
for coupling relays	
-xxV	for systems with xx Volt supply voltage
for components with battery	
xxxW	Capacity of the energy storage system in Watt
for magnets	
x mm	Height in millimetre (mm)
----	no relevance

31	Dash
32-33	Surface/Colour
41	Brushed matt stainless steel
87	Black PVC
SG	Signal grey PVC
SW	Black leather
G0	Signal grey glass
G1	Black glass
--	no relevance
34	Termination
H	Wire end ferrules
-	no relevance
35-37	Series or range of application
x.x	Information on the serial version of the electromechanical unit GENIUS / A-opener
USV	for uninterrupted power supply (USV)
---	no relevance
39-39	Version
for GENIUS	
-A	GENIUS electronic A
-B	GENIUS electronic B
----	no relevance
for further electronic components	
xx	Information on the software version A0, A1, B1 etc.
--	no relevance
for coupling relays and plug-in units	
HU	for top hat rail mounting
TS	Termination plug
--	no relevance
40	Empty or special design
S	Special version

Overview

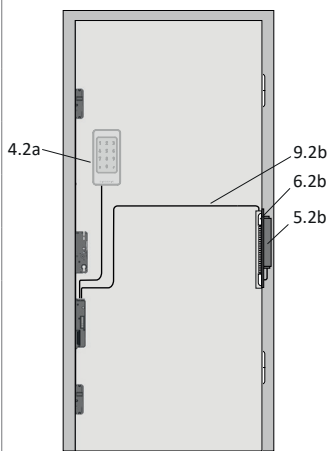
Item		Order number	Short text	Description
1		3513124	ZEM KA410--SB-----1.00-----P---A0	Cable, plug SI-BUS / drive
2.1		3513110	ZEM ZKB-FS-SBM-----A0	Fingerprint scanner without cover
2.2		3513112	ZEM ZKB-KP-SBM-----A0	Keypad without cover
2.3		3513111	ZEM ZKB-TR-SBM-----A0	Transponder without cover
3.1	a	3513113	ZEM ZKD-FS-----SG-----	Cover for fingerprint scanner signal grey
	b	3513114	ZEM ZKD-FS-----87-----	Cover for fingerprint scanner black
3.2	a	3513117	ZEM ZKD-KP-----SG-----	Cover for keypad signal grey
	b	3513118	ZEM ZKD-KP-----87-----	Cover for keypad black
3.3	a	3513115	ZEM ZKD-TR-----SG-----	Cover for transponder signal grey
	b	3513116	ZEM ZKD-TR-----87-----	Cover for transponder black
4.1	a	3513139	ZEM ZKS-FS-SBM-----S1.00-----SG----A0	Set: fingerprint scanner, cover signal grey & cable
	b	3513136	ZEM ZKS-FS-SBM-----S1.00-----87----A0	Set: fingerprint scanner, cover black & cable
4.2	a	3513141	ZEM ZKS-KP-SBM-----S1.00-----SG----A0	Set: keypad, cover signal grey & cable
	b	3513138	ZEM ZKS-KP-SBM-----S1.00-----87----A0	Set: keypad, cover black & cable
4.3	a	3513140	ZEM ZKS-TR-SBM-----S1.00-----SG----A0	Set: transponder, cover signal grey & cable
	b	3513137	ZEM ZKS-TR-SBM-----S1.00-----87----A0	Set: transponder, cover black & cable
5.1		3509884	ZEM NT200--AK-----60-----N---HU	Top hat rail power supply
5.2	a	3499719	ZEM NT624--AK--F--20A-----41N---RA	Frame power supply 20 mm flat face plate
	b	3499720	ZEM NT624--AK--F--24A-----41N---RA	Frame power supply 24 mm flat face plate
5.3		3471104	ZEM USV----AK-----48W-----	Power supply with emergency power supply
6.1	a	3484333	ZEM KU624--AK-----F3.00B8.00-39H100RA	Cable transfer 100°, plug-in, frame side, 3 m / 8 m
	b	3484334	ZEM KU624--AK-----F4.00B8.00-39H100RA	Cable transfer 100°, plug-in, frame side, 4 m / 8 m
	c	3484332	ZEM KU624--AK-----F3.00B8.00-39H100FL	Cable transfer 100°, plug-in, door side
	d	3475148	ZEM KU624--AK-----F3.00B8.00-39H180RA	Cable transfer 180°, plug-in, frame side, 3 m / 8 m
	e	3475149	ZEM KU624--AK-----F4.00B8.00-39H180RA	Cable transfer 180°, plug-in, frame side, 4 m / 8 m
	f	3475147	ZEM KU624--AK-----F3.00B8.00-39H180FL	Cable transfer 180°, plug-in, door side
	g	3496920	ZEM KU600--AK-----F4.00B8.00--H100--	Cable transfer without casing, separable
	h	3308792	ZEM KU224--AK-----39-180--	Cable transfer 180°, not separable
6.2	a	3499575	ZEM KU624--AK-----F3.00B0.10-39H100FL	Cable transfer 100°, plug-in
	b	3499574	ZEM KU624--AK-----F3.00B0.10-39H180FL	Cable transfer 180°, plug-in, 3 m / 0.10 m
	c	3499584	ZEM KU624--AK-----F3.00B0.75-39H180FL	Cable transfer 180°, plug-in, 3 m / 0.75 m
	d	3308791	ZEM KU224--AK-----39-100--	Cable transfer 100°, not separable
6.3		3458247	ZEM KU220--AK-----39-180--	Cable transfer for installation in fire-rated doors
7.1	a	3381525	ZEM KA600--AK-----F3.00-----X-----	Cable type F, 3 m
	b	3381527	ZEM KA600--AK-----F4.00-----X-----	Cable type F, 4 m
	c	3381529	ZEM KA600--AK-----F5.00-----X-----	Cable type F, 5 m
8.1	a	3308723	ZEM KA600--AK-----B4.00---X-----	Cable type B, 4 m
	b	3308724	ZEM KA600--AK-----B6.00---X-----	Cable type B, 6 m
	c	3308725	ZEM KA600--AK-----B8.00---X-----	Cable type B, 8 m
	d	3368937	ZEM KA600--AK-----B12.0---X-----	Cable type B, 12 m
9.1	a	3467119	ZEM KA600--AK-----K12.0-----H-----	Cable type K, 12 m
	b	3378080	ZEM KA300--AK-----E12.0-----H-----	Cable type E, 12 m
9.2	a	3496311	ZEM KA600--AK-----K4.00-----H-----	Cable type K, 4 m
	b	3378078	ZEM KA300--AK-----E4.00-----H-----	Cable type E, 4 m
	c	3496312	ZEM KA600--AK-----K8.00-----H-----	Cable type K, 8 m
	d	3378079	ZEM KA300--AK-----E8.00-----H-----	Cable type E, 8 m
9.3		3474871	ZEM KA600--AK-----K12.0-----H-----	Fire-resistant cable

Item		Order number	Short text	Description
10.1		3516341	ZEM NSP----AK--AKKU--0.60-0.3W-----A0	Emergency power buffer variant A0
10.2		3516590	ZEM NSP----AK--AKKU--0.60-0.3W-----A1	Emergency power buffer variant A1
11.1		3508204	ZEM BM400-----F--16A-----41-FSBRA	Mounting striker plate, 16 x 126 x 3 mm
11.2	a	3498533	ZEM BM624-----F--16K-----31-FSBKS	Mounting striker plate, 16 x 96 x 3 mm
	b	3513074	ZEM BM624-----F--20K-----31-FSBKS	Mounting striker plate, 20 x 96 x 3 mm
	c	3513075	ZEM BM624-----F--24K-----31-FSBKS	Mounting striker plate, 24 x 96 x 3 mm
11.3		3443749	ZEM BMRDT-----F--24A-----39-RDTKS	Radial parts
12.1	a	3327769	ZEM KR-----AK-----12V-----HU	Coupling relays, 12 V
	b	3374274	ZEM KR-----AK-----24V-----HU	Coupling relays, 24 V
12.2	a	3496082	ZEM RS-----AK-----R6.00-----SG-----	Bolt switch contact, 6 m
	b	3501530	ZEM RS-----AK-----R10.0-----SG-----	Bolt switch contact, 10 m
12.3	a	3386310	ZEM TA-----AK-----T0.75-----41H-----	Button, 0.75 m
	b	3413891	ZEM TA-----AK-----T1.00-----41H-----	Button, 1.00 m
13		3470680	ZEM USVBA-----AKKU-----84W----USV--	2 batteries 7Ah / 12 V

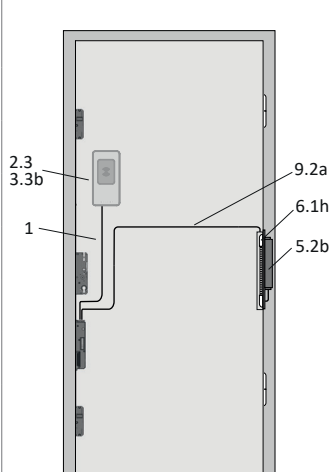
Example packs

The example packs serve the viewing of different combination options. Single components are individually exchangeable.

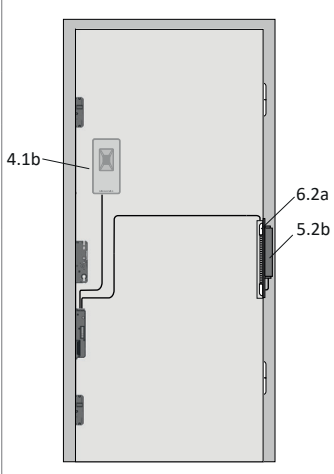
ACS keypad with frame power supply and continuous cable for A-opener & GENIUS type A

	Item	Order number	Short text	Description
	4.2a	3513141	ZEM ZKS-KP-SBM-----S1.00-----SG----A0	Set: keypad, cover signal grey & cable
	5.2b	3499720	ZEM NT624--AK--F--24A-----41N---RA	Frame power supply 24 mm flat face plate
	6.2b	3308791	ZEM KU224--AK-----39-100--	Cable transfer 100°, not separable
	9.2b	3378078	ZEM KA300--AK-----E4.00-----H-----	Cable type E, 4 m

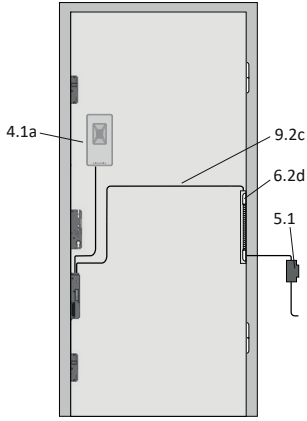
ACS transponder with frame power supply and continuous cable for GENIUS type B & GENIUS Panic

	Item	Order number	Short text	Description
	1	3513124	ZEM KA410--SB-----1.00-----P---A0	Cable from drive to ACS 100 cm
	2.3	3513111	ZEM ZKB-TR-SBM-----A0	Transponder without cover
	3.3b	3513116	ZEM ZKD-TR-----87-----	Cover for transponder black
	5.2b	3499720	ZEM NT624--AK--F--24A-----41N---RA	Frame power supply 24 mm flat face plate
	6.1h	3308792	ZEM KU224--AK-----39-180--	Cable transfer 180°, not separable
	9.2a	3496311	ZEM KA600--AK-----K4.00-----H-----	Cable type K, 4 m

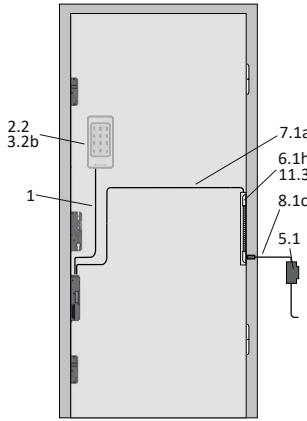
ACS fingerprint scanner with frame power supply and separable cable transfer

	Item	Order number	Short text	Description
	4.1b	3513136	ZEM ZKS-FS-SBM-----S1.00-----87----A0	Set: fingerprint scanner, cover black & cable
	5.2b	3499720	ZEM NT624--AK--F--24A-----41N---RA	Frame power supply 24 mm flat face plate
	6.2a	3499575	ZEM KU624--AK-----F3.00B0.10-39H100FL	Cable transfer 100°, plug-in

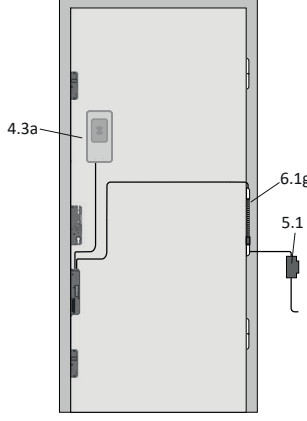
ACS fingerprint scanner with top hat rail power supply and cable transfer with continuous cable

	Item	Order number	Short text	Description
	4.1a	3513139	ZEM ZKS-FS-SBM-----S1.00-----SG----A0	Set: fingerprint scanner, cover signal grey & cable
	5.1	3509884	ZEM NT200--AK-----60-----N---HU	Top hat rail power supply
	6.2d	3308791	ZEM KU224--AK-----39-100--	Cable transfer 100°, not separable
	9.2c	3496312	ZEM KA600--AK-----K8.00-----H-----	Cable type K, 8 m

ACS keypad with top hat rail power supply and cable transfer with separable cable transfer (e. g. for timber doors)

	Item	Order number	Short text	Description
	1	3513124	ZEM KA410--SB-----1.00-----P---A0	Cable from drive to ACS 100 cm
	2.2	3513112	ZEM ZKB-KP-SBM-----A0	Keypad without cover
	3.2b	3513118	ZEM ZKD-KP-----87-----	Cover for keypad black
	5.1	3509884	ZEM NT200--AK-----60-----N---HU	Top hat rail power supply
	6.1h	3308792	ZEM KU224--AK-----39-180--	Cable transfer 180°, not separable
	7.1a	3381525	ZEM KA600--AK-----F3.00-----X-----	Cable type F, 3 m
	8.1c	3308725	ZEM KA600--AK-----B8.00-----X-----	Cable type B, 8 m
	11.3	3443749	ZEM BMRDT-----F--24A-----39-RDTKS	Radial parts

ACS transponder with top hat rail power supply and separable, cable transfer without casing

	Item	Order number	Short text	Description
	4.3a	3513140	ZEM ZKS-TR-SBM-----S1.00-----SG----A0	Set: transponder, cover signal grey & cable
	5.1	3509884	ZEM NT200--AK-----60-----N---HU	Top hat rail power supply
	6.1g	3496920	ZEM KU600--AK-----F4.00B8.00---H100--	Cable transfer without casing, separable

ACS keypad with top hat rail power supply and separable cable transfer with casing (e. g. for timber doors)

	Item	Order number	Short text	Description
	4.2a	3513141	ZEM ZKS-KP-SBM-----S1.00-----SG----A0	Set: keypad, cover signal grey & cable
	5.1	3509884	ZEM NT200--AK-----60-----N---HU	Top hat rail power supply
	6.1b	3484334	ZEM KU624--AK-----F4.00B8.00-39H100RA	Cable transfer 100°, plug-in, frame side, 4 m / 8 m
	11.3	3443749	ZEM BMRDT-----F--24A-----39-RDTKS	Radial parts

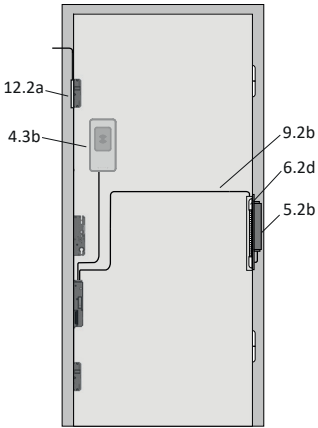
ACS fingerprint scanner with top hat rail power supply and separable cable transfer with casing (e. g. for connection to an intercom system and burglary alarm)

	Item	Order number	Short text	Description
	1	3513124	ZEM KA410--SB-----1.00-----P---A0	Cable from drive to ACS 100 cm
	2.1	3513110	ZEM ZKB-FS-SBM-----A0	Fingerprint scanner without cover
	3.1a	3513113	ZEM ZKD-FS-----SG-----	Cover for fingerprint scanner signal grey
	5.1	3509884	ZEM NT200--AK-----60-----N---HU	Top hat rail power supply
	6.1b	3484334	ZEM KU624--AK-----F4.00B8.00-39H100RA	Cable transfer 100°, plug-in, frame side, 4 m / 8 m
	12.1a	3327769	ZEM KR-----AK-----12V-----HU	Coupling relays, 12 V
	12.1b	3374274	ZEM KR-----AK-----24V-----HU	Coupling relays, 24 V

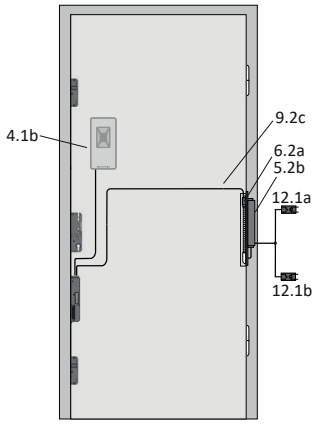
ACS keypad with frame power supply and separable cable transfer with casing (e. g. for connection to an intercom system)

	Item	Order number	Short text	Description
	4.2b	3513138	ZEM ZKS-KP-SBM-----S1.00-----87----A0	Set: keypad, cover black & cable
	5.2b	3499720	ZEM NT624--AK--F--24A-----41N---RA	Frame power supply 24 mm flat face plate
	6.2b	3499574	ZEM KU624--AK-----F3.00B0.10-39H180FL	Cable transfer 180°, plug-in, 3 m / 0.10 m
	9.2d	3378079	ZEM KA300--AK-----E8.00-----H-----	Cable type E, 8 m
	12.1a	3327769	ZEM KR-----AK-----12V-----HU	Coupling relays, 12 V

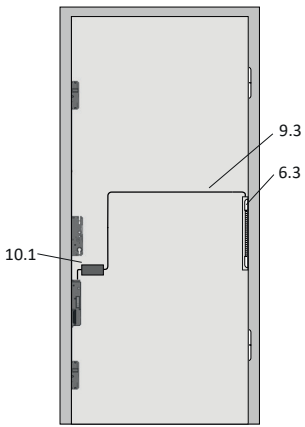
ACS transponder with frame power supply, separable cable transfer with casing and bolt switch contact(e. g. for connection to a burglary alarm)

	Item	Order number	Short text	Description
	4.3b	3513137	ZEM ZKS-TR-SBM-----S1.00-----87----A0	Set: transponder, cover black & cable
	5.2b	3499720	ZEM NT624--AK--F--24A-----41N---RA	Frame power supply 24 mm flat face plate
	6.2d	3308791	ZEM KU224--AK-----39-100--	Cable transfer 100°, not separable
	9.2b	3378078	ZEM KA300--AK-----E4.00-----H-----	Cable type E, 4 m
	12.2a	3496082	ZEM RS-----AK-----R6.00-----SG-----	Bolt switch contact, 6 m

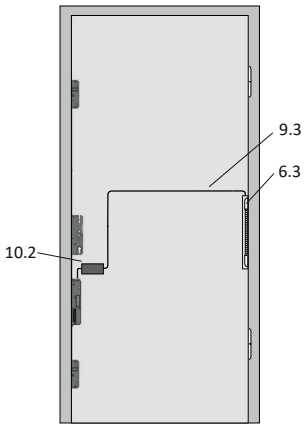
ACS fingerprint scanner with frame power supply and separable cable transfer with casing (e. g. for connection to an intercom system and burglary alarm)

	Item	Order number	Short text	Description
	4.1b	3513136	ZEM ZKS-FS-SBM-----S1.00-----87----A0	Set: fingerprint scanner, cover black & cable
	5.2b	3499720	ZEM NT624--AK--F--24A-----41N---RA	Frame power supply 24 mm flat face plate
	6.2a	3499575	ZEM KU624--AK-----F3.00B0.10-39H100FL	Cable transfer 100°, plug-in
	9.2c	3496312	ZEM KA600--AK-----K8.00-----H-----	Cable type K, 8 m
	12.1a	3327769	ZEM KR-----AK-----12V-----HU	Coupling relays, 12 V
	12.1b	3374274	ZEM KR-----AK-----24V-----HU	Coupling relays, 24 V

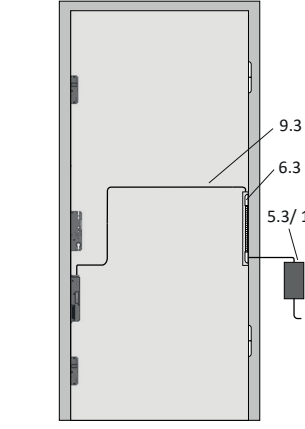
Fire-rated door with emergency power buffer

	Item	Order number	Short text	Description
	6.3	3458247	ZEM KU220--AK-----39-180--	Cable transfer for installation in fire-rated doors
	9.3	3474871	ZEM KA600--AK-----K12.0-----H-----	Fire-resistant cable
	10.1	3516341	ZEM NSP----AK--AKKU--0.60-0.3W-----A0	Emergency power buffer variant A0

Fire-rated door with emergency power buffer and panic support

	Item	Order number	Short text	Description
	6.3	3458247	ZEM KU220--AK-----39-180--	Cable transfer for installation in fire-rated doors
	9.3	3474871	ZEM KA600--AK-----K12.0-----H-----	Fire-resistant cable
	10.2	3516590	ZEM NSP----AK--AKKU--0.60-0.3W-----A1	Emergency power buffer variant A1

Fire-rated door with USV

	Item	Order number	Short text	Description
	5.3	3471104	ZEM USV----AK-----48W-----	Power supply with emergency power supply
	6.3	3458247	ZEM KU220--AK-----39-180--	Cable transfer for installation in fire-rated doors
	9.3	3474871	ZEM KA600--AK-----K12.0-----H-----	Fire-resistant cable
	13	3470680	ZEM USVBA-----AKKU-----84W----USV--	2 batteries 7Ah / 12 V

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