

# DRIVE

## Comfort systems

**SI-BUS technology:**

**SIEGENIA access control systems**

**IO module/IO module smart**

**SI-BUS accessories**

Window systems

Door systems

Comfort systems



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### Worth knowing

#### SIEGENIA is going DIGITAL

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.

#### What is the SIEGENIA-BUS (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.

#### What is the difference between the digital SIEGENIA-BUS to conventional analog switching signals?

Analog switching signals are significantly affected by external influencing factors and disturbance.

This includes e.g. cable lengths, voltage values, signs of wear and tear.

Analog operating systems frequently operate with different voltages (12V / 24V / 230V) and, in addition, with DC voltage or AC voltage. These must be adapted and made compatible using additional devices (e.g. coupling relays) to connect different systems together.

Moreover, analog signals are easily disturbed or manipulated, meaning that mechanical protection of the devices, lines etc. is necessary.

Digital systems are considerably less vulnerable, influenceable or manipulable, as they can communicate in an encrypted and coded manner. A significantly higher standard of security and enhanced protection against manipulation is achieved by the encryption.

Moreover, digital systems and devices can communicate mutually in both directions and transmit data. This means that devices that exhibit malfunctions can inform other devices and therefore also transmit malfunction messages via app, for example.

In addition, with digital systems, it is possible to download firmware updates via an existing ONLINE connection and to load these onto the various system devices. The devices are always updated to the most recent software and functional status. This allows an enduring compatibility with the rapidly changing smartphone and Smart-Home world to be secured.

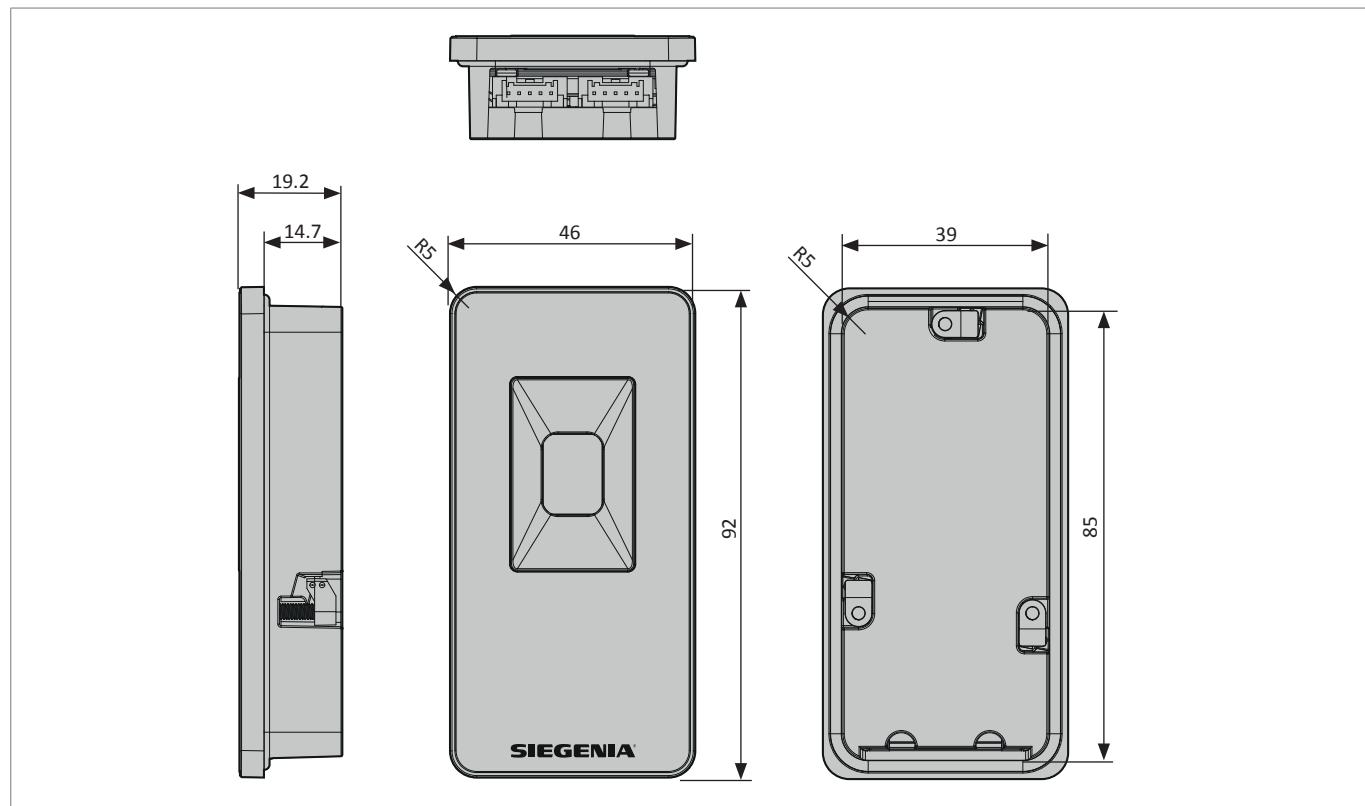
SI-BUS-capable devices can be flexibly combined due to the implementation of the SI-BUS in further devices and drives of the SIEGENIA product world. In the future, further, established interfaces will be integrated in the SI-BUS interface, enabling the integration / combination with a wide range of third-party 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.

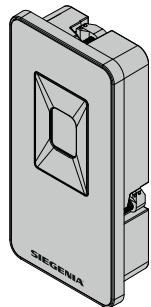
- With WIFI and Bluetooth chip as standard
- 128 Bit AES encryption and access log
- Control via the SIEGENIA Comfort app is possible
- Online remote access, timer and user administration
- Administration of up to 200 users or 800 features
- One-time users or interval users
- Colour-adjustable LED lighting 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:  $-25^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$
- Protection class: IP54 front side



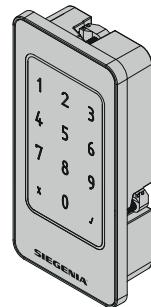
# DRIVE - Product catalogue

Comfort systems, access control

Fingerprint scanner



Keypad



Fingerprint scanner basic unit

**3513110**

Cover for fingerprint scanner black

**3513114**

Cover for fingerprint scanner signal grey

**3513113**

Set: fingerprint scanner, black cover & cable

**3513136**

Set: fingerprint scanner, signal grey cover & cable

**3513139**

Keypad basic unit

**3513112**

Cover for keypad black

**3513118**

Cover for keypad signal grey

**3513117**

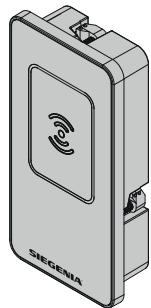
Set: keypad, black cover & cable

**3513138**

Set: keypad, signal grey cover & cable

**3513141**

Transponder *(available from 2022)*



Transponder basic unit

**3513111**

Cover for transponder black

**3513116**

Cover for transponder signal grey

**3513115**

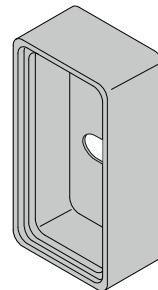
Set: transponder, black cover & cable

**3513137**

Set: transponder, signal grey cover & cable

**3513140**

Stainless steel wall-mounted housing



Casing for on-wall mounting of the SIEGENIA access control system,  
matt brushed stainless steel

49.2 x 95.2 x 29.2 mm (W x H x D)

**3513128**

## SIEGENIA IO modules

### IO module

Extensions of the functions of the motorised multi-point lock by the following connections (slave function):

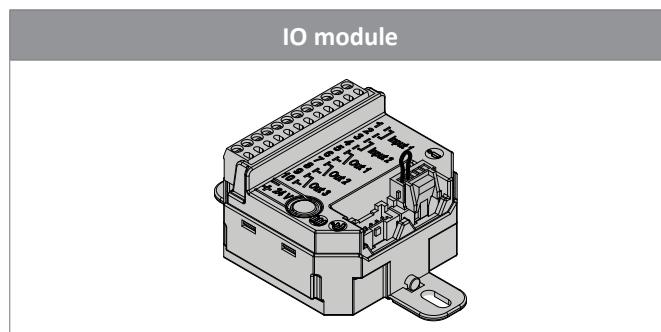
- two SI BUS interfaces for digital, encrypted communication
- two analogue, potential-free inputs
- three analogue, potential-free outputs
- Operation and administration with the SIEGENIA Comfort app via a connected SIEGENIA access control system is possible.

The motorised multi-point locks can be combined with intercom systems, Smart Home actuators and burglary alarms via the IO module.

The access control systems can be integrated in third-party systems with the IO module (master function).

Therefore, the access control systems can be combined, for example, with revolving door or garage door drives, E-openers or existing multi-point locks via the IO module.

- Convenient operation of all SIEGENIA „smart“ devices per WIFI WLAN via smartphone or tablet with numerous additional functions
- Control due to feedback of the device and command status
- Encryption: AES 128 Bit



IO module

3510886

### IO module smart

Extensions of the functions of the motorised multi-point lock by the following connections (slave function):

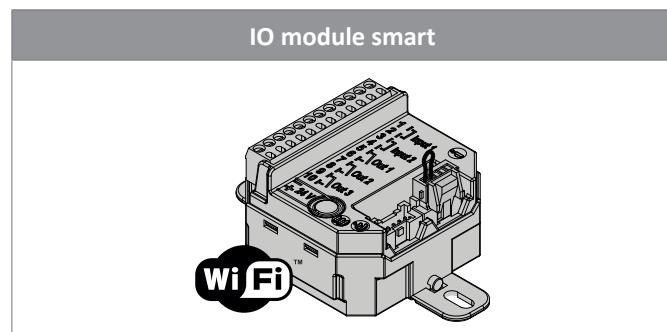
- two SI BUS interfaces for digital, encrypted communication
- two analogue, potential-free inputs
- three analogue, potential-free outputs
- Operation and administration with the SIEGENIA Comfort app even without a connected SIEGENIA access control system is possible via integrated WIFI.

The motorised multi-point locks can be combined with intercom systems, Smart Home actuators and burglary alarms via the IO module smart.

The IO module smart can be integrated in third-party systems (master function).

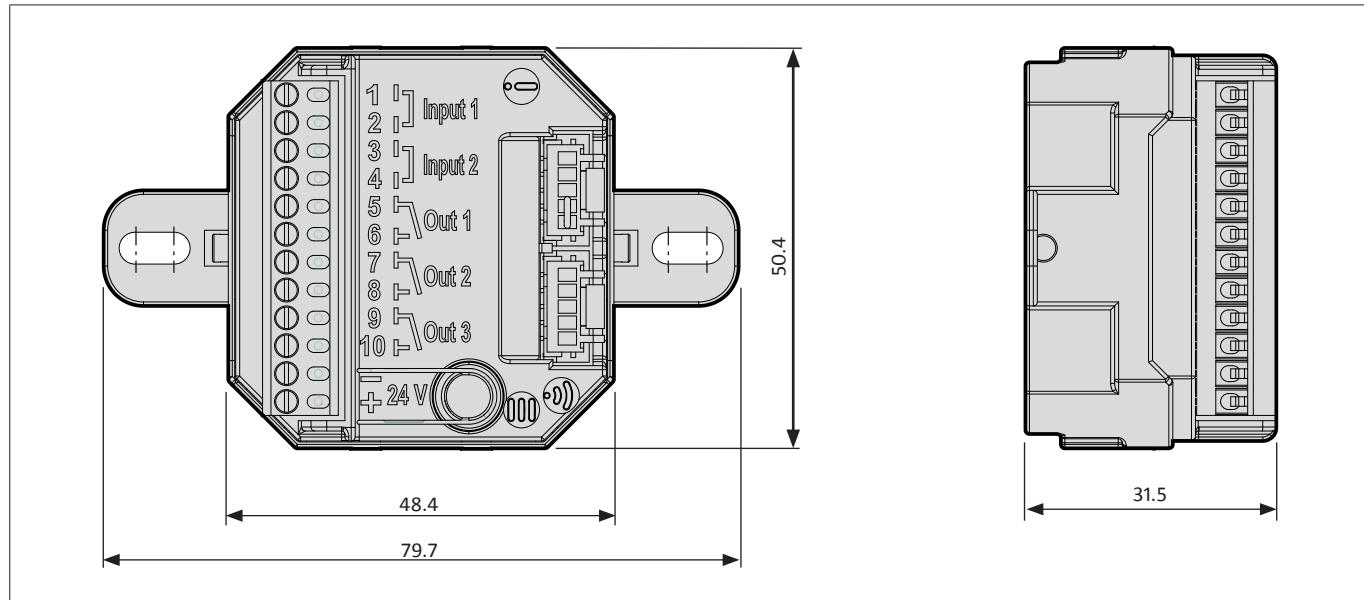
Therefore, the IO module smart can be combined, for example, with revolving door or garage door drives, E-openers or existing multi-point locks.

- Convenient operation of all SIEGENIA „smart“ devices per WIFI WLAN via smartphone or tablet with numerous additional functions
- Control due to feedback of the device and command status
- Encryption: AES 128 Bit / WPA2



IO module smart

3510884

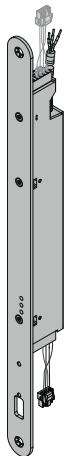


# DRIVE - Product catalogue

Comfort systems, access control

## Power supplies

Frame-integrated power supply with SI-BUS plug connection



Power supply for top hat rail mounting



The power supply is intended for installation in the door frame (milling required), usable for GENIUS, A-opener IO modules and SIEGENIA access control systems with integrated SI-BUS adapters.

Shield length 375 mm matt brushed stainless steel.

Casing dimensions (H x W x D):

245 mm x 20 mm x 35 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

Flat face plate 24 mm, rounded

**3514588**

The power supply is intended for installation on a standardised rail nut (35 mm), usable for GENIUS, A-opener, IO modules 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 (KU400) and accessories

Cable transfer without casing 180° with integrated SI-BUS plug connection



Cable transfer for concealed door rebate installation

Spiral spring incl. cover caps:

length: 347 mm

outer diameter: 7.5 mm

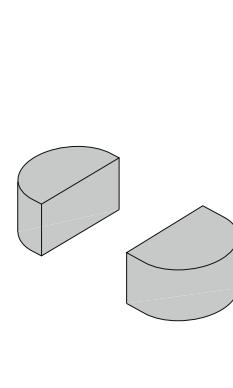
Plug connection frame side\*:

Cable length door side: 0.16 m,

Cable length frame side: 0.16 m

**3513131**

Installation box for cable transfer and curved parts



Installation box for the cable transfer for concealed door rebate installation

20 x 394 x 15 mm (W x H x D)

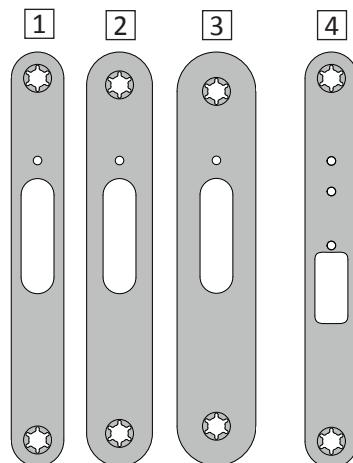
**3517879**

Curved parts for cable transfer with casing

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

**3458254**

Mounting cuffs for cable transfer



Mounting cuff sash side rounded

[1] 16 x 126 x 2.5 mm (W x H x D)

**3517266**

[2] 20 x 126 x 2.5 mm (W x H x D)

**3517267**

[3] 24 x 126 x 2.5 mm (W x H x D)

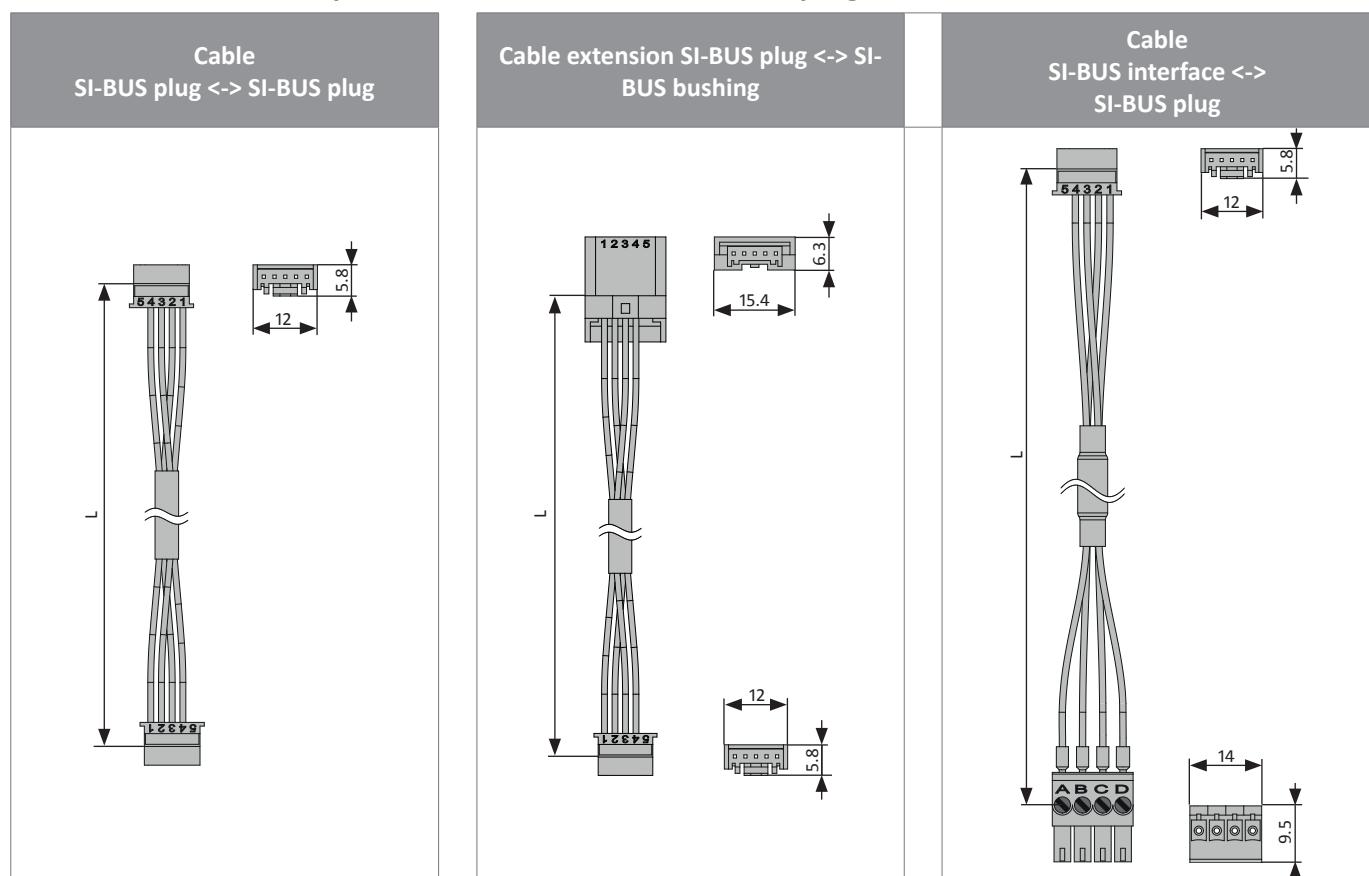
**3517268**

Mounting cuff frame side rounded

[4] 16 x 126 x 3 mm (W x H x D)

**3508204**

## Cable (KA4xx) and adapter cable (ANT4xx) with SI-BUS plug connection



Connection cable (KA400) from:

- ACS to ACS
- ACS to cable transfer
- ACS to IO module/IO module smart
- Cable transfer to IO module/IO module smart

Cable length L=0.15 m

**3513119**

Cable length L=0.30 m

**3513120**

Cable length L=1.00 m

**3513121**

Cable length L=3.00 m

**3513122**

Cable for extension of the SI-BUS connection (KA430)

Cable length L=2.00 m

**3513123**

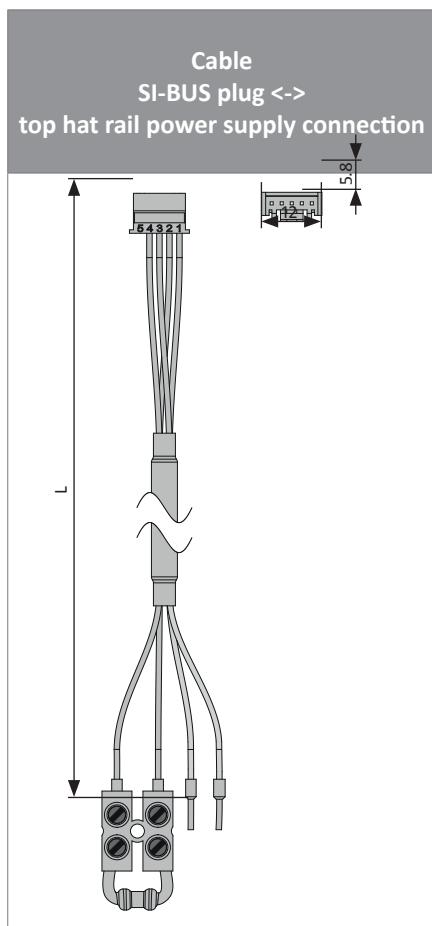
Cable to connect the SI-BUS interface of the GENIUS/A-opener with the SIEGENIA access control system (KA410)

Cable length L=1.00 m

**3513124**

# DRIVE - Product catalogue

## Comfort systems, access control

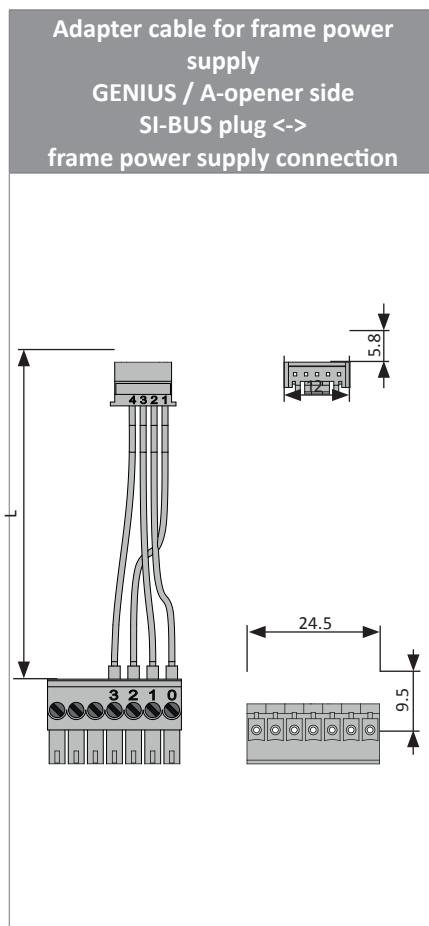


Connection cable from top hat rail power supply (KA420) to the:

- ACS frame side
- IO module/IO module smart
- Cable transfer

Cable length L=8.00 m

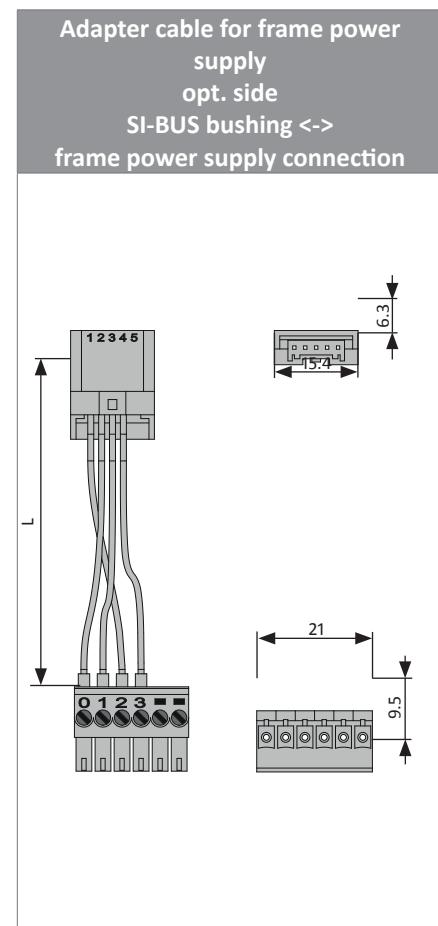
**3513129**



Adapter cable to connect the SI-BUS interface of the GENIUS/A-opener with the frame power supply. (ANT400)

Cable length L=0.05 m

**3513134**



Adapter cable to connect an optional system with the frame power supply. (ANT400)

Cable length L=0.05 m

**3513135**

**RFID chips (available from 2022)**

RFID card



RFID Keyfob



The RFID card is the digital key to the transponder-access control system.

Card dimensions (H x W x D):

85 mm x 54 mm x 1 mm

Chip card (RFID)

**3513125**

The RFID Keyfob is the digital key to the transponder-access control system.

Keyfob dimensions (D x D):

40 mm x 32 mm x 4 mm

RFID Keyfob PVC signal grey

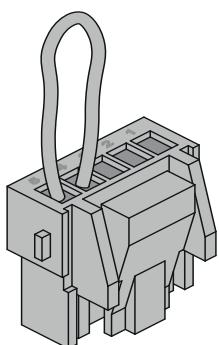
**3513126**

RFID Keyfob leather black

**3513127**

**General spare parts & tools**

Connection plug for the termination

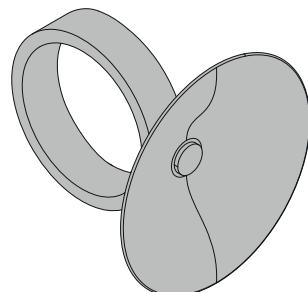


Plug for the termination of the SI-BUS line (termination resistor)

Connection plug

**3513133**

Suction cup for the removal of the ACS cover



Aid for the easy removal of the ACS cover

Suction cup

**3513130**

# DRIVE - Product catalogue

Comfort systems, access control

## Explanation of material descriptions

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

Position in material description	
Assembly	1-3
Empty space	4
Article	5-10
Dash	11
Interface (analogue terminal / SI-BUS)	12-13
Dashes	14-15
Faceplate geometry	16-18
Face plate width	19-20
Cable type or square end / rounded	21
Cable length in metre (m)	22-25
Cable type	26
Cable length in metre (m)	27-30
Dash	31
Surface	32-33
Termination for cables / cable transfers or voltage for power supplies	34
Opening angle e.g. for cable transfers / type of clamp	35-37
Installation position / range of application	38-39
Empty or special design	40

### 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
<b>for cables KA..</b>	
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
<b>for faceplates</b>	
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)
<b>for cables, cable transfers and frame power supplies</b>	
xxxx	Cable length in metre (m)
<b>for top hat rail power supplies</b>	
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

# DRIVE - Product catalogue

Comfort systems, access control

## Explanation of material descriptions

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

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

### 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
ACS-KP	Access control system SI-BUS basic unit and decorative element, keypad
ACS-TR	Access control system SI-BUS basic unit and decorative element, transponder
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-TERY-	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

# DRIVE - Product catalogue

Comfort systems, access control

## Overview

Item	Order number	Short text	Description
1	3513124	ZEM KA410--SB-----1.00-----P----	Cable, SI-BUS plug/ drive
2	3513123	ZEM KA430--SB-----2.00-----P----	Cable extension, SI-BUS plug / SI-BUS bushing
3	3513131	ZEM KU400--SB-----F0.16B0.16---P180--	SI-BUS cable transfer
4.1	3509884	ZEM NT200--AK-----60W-----N---HU	Top hat rail power supply
4.2	3514588	ZEM NT400--SB--F--24A-----41N---RA	Frame power supply
5.1	3513129	ZEM KA420--SB-----8.00-----X----	Cable for top hat rail power supply 800 cm
5.2	3513134	ZEM ANT400-SB-----0.05-----P---FL	Adapter for frame power supply, sash installation
5.3	3513135	ZEM ANT400-SB-----0.05-----P---RA	Adapter for frame power supply, frame installation
6.1	3510886	ZEM ZKM-IO-SBK-----A0	I/O module
6.2	3510884	ZEM ZKM-IO-SBX-----A1	I/O module smart
7.1	3513119	ZEM KA400--SB-----0.15-----P----	Cable I/O module, 15 cm
7.2	3513120	ZEM KA400--SB-----0.30-----P----	Cable I/O module, 30 cm
7.3	3513121	ZEM KA400--SB-----1.00-----P----	Cable I/O module, 100 cm
7.4	3513122	ZEM KA400--SB-----3.00-----P----	Cable I/O module, 300 cm
8.1	3513110	ZEM ZKB-FS-SBM-----A0	Fingerprint scanner without cover
8.2	3513112	ZEM ZKB-KP-SBM-----A0	Keypad without cover
8.3	3513111	ZEM ZKB-TR-SBM-----A0	Transponder without cover
9.1	a	ZEM ZKD-FS-----SG----	Cover for fingerprint scanner signal grey
	b	ZEM ZKD-FS-----87----	Cover for fingerprint scanner black
9.2	a	ZEM ZKD-KP-----SG----	Cover for keypad signal grey
	b	ZEM ZKD-KP-----87----	Cover for keypad black
9.3	a	ZEM ZKD-TR-----SG----	Cover for transponder signal grey
	b	ZEM ZKD-TR-----87----	Cover for transponder black
10	3513128	ZEM ZKG-AP-----41----	Surface-mounted housing
11.1	3513119	ZEM KA400--SB-----0.15-----P----	Cable ACS, 15 cm
11.2	3513120	ZEM KA400--SB-----0.30-----P----	Cable ACS, 30 cm
11.3	3513121	ZEM KA400--SB-----1.00-----P----	Cable ACS, 100 cm
11.4	3513122	ZEM KA400--SB-----3.00-----P----	Cable ACS, 300 cm
12	3517879	ZEM BM400-----F--20A-----41-ANKFL	Installation box for cable transfer

## Example packs

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

### Intercom system/ burglary alarm and top hat rail power supply (basic version)

Item	Order number	Short text	Description
1	3513124	ZEM KA410--SB-----1.00-----P----	Cable, SI-BUS plug/ drive
2	3513123	ZEM KA430--SB-----2.00-----P----	Cable extension, SI-BUS plug / SI-BUS bushing
3	3513131	ZEM KU400--SB-----F0.16B0.16---P180--	SI-BUS cable transfer
4.1	3509884	ZEM NT200--AK-----60W-----N---HU	Top hat rail power supply
5.1	3513129	ZEM KA420--SB-----8.00-----X----	Cable for top hat rail power supply 800 cm
6.1	3510886	ZEM ZKM-IO-SBK-----A0	I/O module
7.4	3513122	ZEM KA400--SB-----3.00-----P----	Cable I/O module, 300 cm

### Intercom system/ burglary alarm with frame power supply (comfort version)

Item	Order number	Short text	Description
1	3513124	ZEM KA410--SB-----1.00-----P----	Cable, SI-BUS plug/ drive
2	3513123	ZEM KA430--SB-----2.00-----P----	Cable extension, SI-BUS plug / SI-BUS bushing
3	3513131	ZEM KU400--SB-----F0.16B0.16---P180--	SI-BUS cable transfer
4.2	3514588	ZEM NT400--SB--F--24A-----41N---RA	Frame power supply
5.3	3513135	ZEM ANT400-SB-----0.05-----P---RA	Adapter for frame power supply, frame installation
6.2	3510884	ZEM ZKM-IO-SBX-----A1	I/O module smart
7.4	3513122	ZEM KA400--SB-----3.00-----P---A0	Cable I/O module, 300 cm

### ACS keypad with top hat rail power supply (e. g. for timber doors)

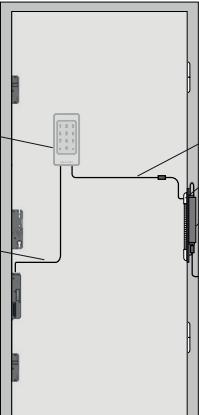
Item	Order number	Short text	Description
1	3513124	ZEM KA410--SB-----1.00-----P----	Cable, SI-BUS plug/ drive
3	3513131	ZEM KU400--SB-----F0.16B0.16---P180--	SI-BUS cable transfer
4.1	3509884	ZEM NT200--AK-----60W-----N---HU	Top hat rail power supply
5.1	3513129	ZEM KA420--SB-----8.00-----X----	Cable for top hat rail power supply 800 cm
8.2	3513112	ZEM ZKB-KP-SBM-----A0	Keypad without cover
9.2b	3513118	ZEM ZKD-KP-----87-----	Cover for keypad black
11.3	3513121	ZEM KA400--SB-----1.00-----P----	Cable ACS, 100 cm
12	3517879	ZEM BM400-----F--20A-----41-ANKFL	Installation box for cable transfer

# DRIVE - Product catalogue

Comfort systems, access control

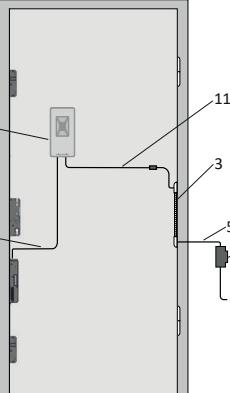
## ACS keypad with frame power supply (e.g. for aluminium- / PVC doors)

Item	Order number	Short text	Description
1	3513124	ZEM KA410--SB-----1.00-----P----	Cable, SI-BUS plug/ drive
3	3513131	ZEM KU400--SB-----F0.16B0.16---P180--	SI-BUS cable transfer
4.2	3514588	ZEM NT400--SB--F--24A-----41N---RA	Frame power supply
8.2	3513112	ZEM ZKB-KP-SBM-----A0	Keypad without cover
9.2a	3513117	ZEM ZKD-KP-----SG-----	Cover for keypad signal grey
11.4	3513122	ZEM KA400--SB-----3.00-----P----	Cable ACS, 300 cm



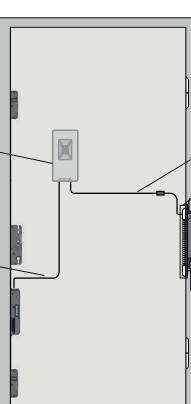
## ACS fingerprint scanner with top hat rail power supply (e.g. aluminium / PVC doors)

Item	Order number	Short text	Description
1	3513124	ZEM KA410--SB-----1.00-----P----	Cable, SI-BUS plug/ drive
3	3513131	ZEM KU400--SB-----F0.16B0.16---P180--	SI-BUS cable transfer
4.1	3509884	ZEM NT200--AK-----60W-----N---HU	Top hat rail power supply
5.1	3513129	ZEM KA420--SB-----8.00-----X----	Cable for top hat rail power supply 800 cm
8.1	3513110	ZEM ZKB-FS-SBM-----A0	Fingerprint scanner without cover
9.1b	3513114	ZEM ZKD-FS-----87-----	Cover for fingerprint scanner black
11.4	3513122	ZEM KA400--SB-----3.00-----P----	Cable ACS, 300 cm



## ACS fingerprint scanner with frame power supply (e.g. for timber doors)

Item	Order number	Short text	Description
1	3513124	ZEM KA410--SB-----1.00-----P----	Cable, SI-BUS plug/ drive
3	3513131	ZEM KU400--SB-----F0.16B0.16---P180--	SI-BUS cable transfer
4.2	3514588	ZEM NT400--SB--F--24A-----41N---RA	Frame power supply
8.1	3513110	ZEM ZKB-FS-SBM-----A0	Fingerprint scanner without cover
9.1a	3513113	ZEM ZKD-FS-----SG-----	Cover for fingerprint scanner signal grey
11.3	3513121	ZEM KA400--SB-----1.00-----P----	Cable ACS, 100 cm
12	3517879	ZEM BM400-----F--20A-----41-ANKFL	Installation box for cable transfer



**ACS transponder (available from 2022) with top hat rail power supply (e.g. for timber doors)**

Item	Order number	Short text	Description
1	3513124	ZEM KA410--SB-----1.00-----P----	Cable, SI-BUS plug/ drive
3	3513131	ZEM KU400--SB-----F0.16B0.16---P180--	SI-BUS cable transfer
4.1	3509884	ZEM NT200--AK-----60W-----N---HU	Top hat rail power supply
5.1	3513129	ZEM KA420--SB-----8.00-----X----	Cable for top hat rail power supply 800 cm
8.3	3513111	ZEM ZKB-TR-SBM-----A0	Transponder without cover
9.3b	3513116	ZEM ZKD-TR-----87-----	Cover for transponder black
11.3	3513121	ZEM KA400--SB-----1.00-----P----	Cable ACS, 100 cm
12	3517879	ZEM BM400-----F--20A-----41-ANKFL	Installation box for cable transfer

**ACS transponder (available from 2022) with frame power supply (e.g. for aluminium / PVC doors)**

Item	Order number	Short text	Description
1	3513124	ZEM KA410--SB-----1.00-----P----	Cable, SI-BUS plug/ drive
3	3513131	ZEM KU400--SB-----F0.16B0.16---P180--	SI-BUS cable transfer
4.2	3514588	ZEM NT400--SB--F--24A-----41N---RA	Frame power supply
8.3	3513111	ZEM ZKB-TR-SBM-----A0	Transponder without cover
9.3a	3513115	ZEM ZKD-TR-----SG-----	Cover for transponder signal grey
11.4	3513122	ZEM KA400--SB-----3.00-----P----	Cable ACS, 300 cm

**ACS fingerprint scanner / intercom system / burglary alarm with top hat rail power supply (e.g. for timber doors)**

Item	Order number	Short text	Description
1	3513124	ZEM KA410--SB-----1.00-----P----	Cable, SI-BUS plug/ drive
3	3513131	ZEM KU400--SB-----F0.16B0.16---P180--	SI-BUS cable transfer
4.1	3509884	ZEM NT200--AK-----60W-----N---HU	Top hat rail power supply
5.1	3513129	ZEM KA420--SB-----8.00-----X----	Cable for top hat rail power supply 800 cm
6.1	3510886	ZEM ZKM-IO-SBK-----A0	I/O module
7.4	3513122	ZEM KA400--SB-----3.00-----P---A0	Cable I/O module, 300 cm
8.1	3513110	ZEM ZKB-FS-SBM-----A0	Fingerprint scanner without cover
9.1b	3513114	ZEM ZKD-FS-----87-----	Cover for fingerprint scanner black
11.3	3513121	ZEM KA400--SB-----1.00-----P----	Cable ACS, 100 cm
12	3517879	ZEM BM400-----F--20A-----41-ANKFL	Installation box for cable transfer

# DRIVE - Product catalogue

Comfort systems, access control

## ACS transponder (available from 2022)/ intercom system / burglary alarm with frame power supply (comfort version)

Item	Order number	Short text	Description
1	3513124	ZEM KA410--SB-----1.00-----P----	Cable, SI-BUS plug/ drive
3	3513131	ZEM KU400--SB-----F0.16B0.16---P180--	SI-BUS cable transfer
4.2	3514588	ZEM NT400--SB--F--24A-----41N---RA	Frame power supply
5.3	3513135	ZEM ANT400-SB-----0.05-----P---RA	Adapter for frame power supply, frame installation
6.2	3510884	ZEM ZKM-IO-SBX-----A1	I/O module smart
7.4	3513122	ZEM KA400--SB-----3.00-----P----	Cable I/O module, 300 cm
8.3	3513111	ZEM ZKB-TR-SBM-----A0	Transponder without cover
9.3a	3513115	ZEM ZKD-TR-----SG-----	Cover for transponder signal grey
11.4	3513122	ZEM KA400--SB-----3.00-----P----	Cable ACS, 300 cm

## ACS keypad/ frame side wall-mounted housing with top hat rail power supply

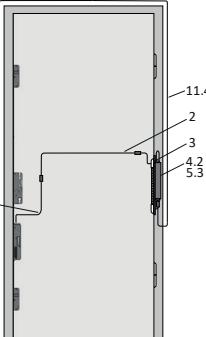
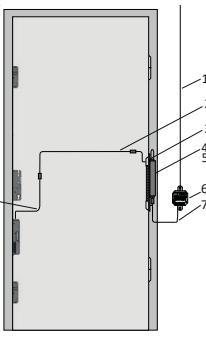
Item	Order number	Short text	Description
1	3513124	ZEM KA410--SB-----1.00-----P----	Cable, SI-BUS plug/ drive
2	3513123	ZEM KA430--SB-----2.00-----P----	Cable, SI-BUS plug / SI-BUS bushing
3	3513131	ZEM KU400--SB-----F0.16B0.16---P180--	SI-BUS cable transfer
4.1	3509884	ZEM NT200--AK-----60W-----N---HU	Top hat rail power supply
5.1	3513129	ZEM KA420--SB-----8.00-----X-----	Cable for top hat rail power supply 800 cm
8.2	3513112	ZEM ZKB-KP-SBM-----A0	Keypad without cover
9.2b	3513118	ZEM ZKD-KP-----87-----	Cover for keypad black
10	3513128	ZEM ZKG-AP-----41-----	Surface-mounted housing
11.4	3513122	ZEM KA400--SB-----3.00-----P----	Cable ACS, 300 cm

## ACS transponder (available from 2022) / frame side wall-mounted housing with frame power supply

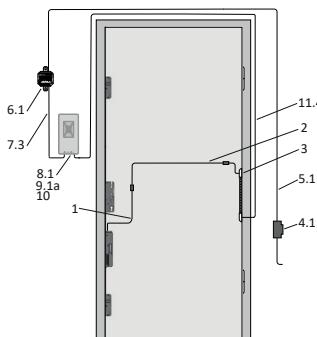
Item	Order number	Short text	Description
1	3513124	ZEM KA410--SB-----1.00-----P----	Cable, SI-BUS plug/ drive
2	3513123	ZEM KA430--SB-----2.00-----P----	Cable, SI-BUS plug / SI-BUS bushing
3	3513131	ZEM KU400--SB-----F0.16B0.16---P180--	SI-BUS cable transfer
4.2	3514588	ZEM NT400--SB--F--24A-----41N---RA	Frame power supply
5.3	3513135	ZEM ANT400-SB-----0.05-----P---RA	Adapter for frame power supply, frame installation
8.3	3513111	ZEM ZKB-TR-SBM-----A0	Transponder without cover
9.3a	3513115	ZEM ZKD-TR-----SG-----	Cover for transponder signal grey
10	3513128	ZEM ZKG-AP-----41-----	Surface-mounted housing
11.4	3513122	ZEM KA400--SB-----3.00-----P----	Cable ACS, 300 cm

**ACS keypad / frame side wall-mounted housing/ intercom system / burglary alarm with frame power supply**

Item	Order number	Short text	Description
1	3513124	ZEM KA410--SB-----1.00-----P----	Cable, SI-BUS plug/ drive
2	3513123	ZEM KA430--SB-----2.00-----P----	Cable, SI-BUS plug / SI-BUS bushing
3	3513131	ZEM KU400--SB-----F0.16B0.16---P180--	SI-BUS cable transfer
4.2	3514588	ZEM NT400--SB--F--24A-----41N---RA	Frame power supply
5.3	3513135	ZEM ANT400-SB-----0.05-----P---RA	Adapter for frame power supply, frame installation
6.1	3510886	ZEM ZKM-IO-SBK-----A0	I/O module
7.3	3513121	ZEM KA400--SB-----1.00-----P----	Cable I/O module, 100 cm
8.2	3513112	ZEM ZKB-KP-SBM-----A0	Keypad without cover
9.2a	3513117	ZEM ZKD-KP-----SG-----	Cover for keypad signal grey
10	3513128	ZEM ZKG-AP-----41-----	Surface-mounted housing
11.4	3513122	ZEM KA400--SB-----3.00-----P----	Cable ACS, 300 cm



**ACS fingerprint scanner / frame side wall-mounted housing/ intercom system / burglary alarm with top hat rail power supply**

Item	Order number	Short text	Description
1	3513124	ZEM KA410--SB-----1.00-----P----	Cable, SI-BUS plug/ drive
2	3513123	ZEM KA430--SB-----2.00-----P----	Cable, SI-BUS plug / SI-BUS bushing
3	3513131	ZEM KU400--SB-----F0.16B0.16---P180--	SI-BUS cable transfer
4.1	3509884	ZEM NT200--AK-----60W-----N---HU	Top hat rail power supply
5.1	3513129	ZEM KA420--SB-----8.00-----X----	Cable for top hat rail power supply 800 cm
6.1	3510886	ZEM ZKM-IO-SBK-----A0	I/O module
7.3	3513121	ZEM KA400--SB-----1.00-----P----	Cable I/O module, 100 cm
8.1	3513110	ZEM ZKB-FS-SBM-----A0	Fingerprint scanner without cover
9.1a	3513113	ZEM ZKD-FS-----SG-----	Cover for fingerprint scanner signal grey
10	3513128	ZEM ZKG-AP-----41-----	Surface-mounted housing
11.4	3513122	ZEM KA400--SB-----3.00-----P----	Cable ACS, 300 cm



# DRIVE - Product catalogue

Comfort systems, access control

## ACS keypad with top hat rail power supply for third-party drives (e.g. for garage doors, E-opener)

Item	Order number	Short text	Description
4.1	3509884	ZEM NT200--AK-----60W-----N---HU	Top hat rail power supply
5.1	3513129	ZEM KA420--SB-----8.00-----X----	Cable for top hat rail power supply 800 cm
6.1	3510886	ZEM ZKM-IO-SBK-----A0	I/O module
7.4	3513122	ZEM KA400--SB-----3.00-----P----	Cable I/O module, 300 cm
8.2	3513112	ZEM ZKB-KP-SBM-----A0	Keypad without cover
9.2a	3513117	ZEM ZKD-KP-----SG----	Cover for keypad signal grey

M = Third-party drive

## Intercom system / burglary alarm with top hat rail power supply for third-party drives (e.g. for garage doors, E-opener)

Item	Order number	Short text	Description
4.1	3509884	ZEM NT200--AK-----60W-----N---HU	Top hat rail power supply
5.1	3513129	ZEM KA420--SB-----8.00-----X----	Cable for top hat rail power supply 800 cm
6.2	3510884	ZEM ZKM-IO-SBX-----A1	I/O module smart

M = Third-party drive



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