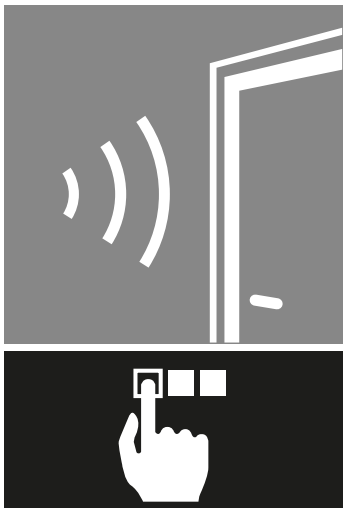


Doc. No. 10000349939_18 / 06.2026
Article number 263 018 / 263 518 / 241 653
S.A820
S.PA820
S.Secury 19xx
S.Secury 6-B19xx

Aluminium systems

A-opener for SafeMatic and InterLock

A-opener for SafeMatic and InterLock (for use in fire protection doors)

A-opener servo for SafeMatic (not for panic locks)

Further documentation:

Docu Center
Lock technology

or

http://dc.schueco.com/Lock technology

en 00 Operating instructions

Contents

4 1. Notes on this document
4 1.1. Target groups and use
4 1.2. Retention of the document
4 1.3. Further documentation

5 2. Safety
5 2.1. About the safety instructions
5 2.2. Laws, regulations and technical rules
6 2.3. Proper use
6 2.4. General safety instructions

7 3. Contents of delivery, transport and storage
7 3.1. Contents of delivery
7 3.2. Also available
7 3.2.1. Power supply
7 3.2.2. Electric lock cables
8 3.2.3. Cable link connectors
8 3.2.4. Cable link connectors for fire protection doors
8 3.3. Transportation and storage

8 4. Product description
8 4.1. How it works
9 4.2. Setting of the signal generator
9 4.2.1. Setting of the A-opener signal generator (grey housing)
10 4.2.2. Setting of the A-opener signal generator (black housing)
10 4.2.3. Setting of the A-opener servo signal generator (grey label)
11 4.2.4. Setting of the A-opener servo signal generator (white label)
12 4.3. Technical data
12 4.3.1. Electrical properties
12 4.3.2. Cable lengths and cross sections
12 4.3.3. Dimensions

13 5. Installation and connection
13 5.1. General notes on installation
14 5.2. Example of cabling – Overview drawing
15 5.3. Wiring of the electric lock cable
16 5.4. Installation sequence
16 5.4.1. Installation sequence of A-opener and A-opener servo (263 018/263 518)
17 5.4.2. Installation sequence of the A-opener for use in fire protection doors (241 653)
18 5.5. Electrical connection
22 5.6. Test run

22 6. Inspections and maintenance work, replacement parts

23 7. Corrective action

24 8. Care and maintenance

24 9. Decommissioning and disposal

24 10. Service and support

1. Notes on this document

Before first use, read through this manual thoroughly and adhere to the specified sequence of the instructions. Schüco International KG shall not be liable for any damage which arises from a failure to adhere to these instructions.

1.1. Target groups and use

This document is intended for qualified personnel, such as trained fitters and electricians. Before installing and commissioning, read through this document thoroughly and adhere to the specified sequence of the instructions. Schüco International KG shall not be liable for any damage which arises from a failure to adhere to these instructions.

1.2. Retention of the document

This document is a component of the product. Keep this document in an accessible place even after installation and commissioning, so that the information is always available.

1.3. Further documentation

http://dc.schueco.com/Lock technology

2. Safety

2.1. About the safety instructions

KEY WORD

Type / source / consequence of the danger

Pictograms and key words advise of the type of danger and the level of danger:

General personal injury

Personal injury from electrocution

Damage to property

DANGER		Imminent danger resulting in death or severe injuries.
WARNING		Potential imminent danger which may lead to death or severe injuries.
CAUTION		Potentially dangerous situation which may lead to minor injuries.
NOTE		Imminent danger of damage to property which may lead to damage to or destruction of the product or environment.
INFORMATION		Information Information, tips and advice

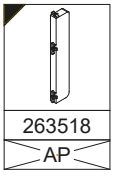
2.2. Laws, regulations and technical rules

During installation and operation, observe the international, national and local safety regulations, laws and guidelines.

Accepted practice as usually codified in standards, guidelines, specifications and regulations laid down by recognised bodies must be followed.

WARNING

The A-opener servo is not approved for doors as per DIN EN 1125 and DIN EN 179.



2.3. Proper use

The A-opener / A-opener servo is intended for vertically built-in doors.

The main application areas are external doors in private and public settings.

Proper use includes adhering to the installation and operating instructions specified by the manufacturer. This is the only way to avoid damage.

NOTE

The double latch bolt with monitoring (e.g. 241 463) cannot be used if using the A-opener servo. A special double latch bolt with monitoring is required.

The A-opener / A-opener servo can be used with the following locks:

	Product family	Suitable for		
		A-opener		A-opener servo
		(263 018)	(241 653)	(263 518)
SafeMatic	S.A820	✓	✓	✓
	S.PA820	✓	✓	X
InterLock	S.Secury 19xx	✓	✓	X
	S.Secury 6-B19xx	✓	✓	X

For the S.PA820, S.Secury 19xx and S.Secury 6-B19xx product families these are locks in accordance with DIN EN 1125 and DIN EN 179. The A-opener servo is not approved for this intended use and therefore cannot be used for these product families.

It is necessary to use the emergency buffer (268 316) for use of the A-opener (241 653) in the fire protection doors as per DIN EN 1634.

Should damage arise as a result of any changes made to the operation of the lock without the agreement of Schüco, the manufacturer does not bear any responsibility.

Ensure compliance with all manufacturer's specifications when installing and maintaining the electric drive. This is to ensure that the electric drive complies with the conditions of the machinery directive (2001/95/EG).

2.4. General safety instructions

Follow the safety instructions in this document so as not to endanger your own life or that of others and to ensure error-free operation.

DANGER

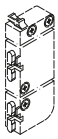
Imminent danger resulting in death or severe injuries.

- ► Before any work is carried out on the product, all power packs must be disconnected and protected against anyone inadvertently switching them back on.
- ► Following each installation or alteration to the electrical system, carry out a test run to test all functions.

3. Contents of delivery, transport and storage

3.1. Contents of delivery

A-opener and A-opener servo



A-opener
263 018 /
A-opener servo
263 518

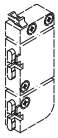


Tab
(pre-installed
with 1x M4x10
Torx T20)



Screw
Torx T20+PIN
1x M4x10
2x M4x13

A-opener for use in fire protection doors



A-opener
241 653



Tab
(pre-installed
with 1x M4x10
Torx T20)



Screw
Torx T20+PIN
1x M4x10
2x M4x13



Emergency
power backup
268316



C 5950 3011 /
10000429981
Installation instructions
for emergency power backup

3.2. Also available

3.2.1. Power supply

	Description	Art. No.	
	Power supply unit 24 V/2.0 A PE	263 099	
	Power supply unit AP 24 V/2.5 A	262 683	

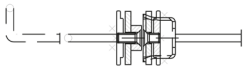
3.2.2. Electric lock cables

	Description	Art. No.	
	Disconnecting electric lock cable (5.2 m - 5.2 m)	262 619	
	Electric lock cable – not detachable	263 033	

3.2.3. Cable link connectors

	Description	Opening angle	Art. No.	
	Detachable cable link connector	110° / 120°	263 016 / 263 501	
		180°	263 017 / 263 502	
	Cable link connector	120°	263 306	
		180°	263 369	

3.2.4. Cable link connectors for fire protection doors

	Description	Opening angle	Art. No.	
	Detachable cable link connector	110°	263 093 / 263 505	
		180°	263 094 / 263 506	
	Cable link connector	120°	263 306	
		180°	263 369	
	Cable link connector (concealed)	180°	229 730	

3.3. Transportation and storage

NOTE

Damage to property.

- ► Protect against impact!
- ► Store only in dry interior rooms.
- ► Protect against moisture and dirt.

4. Product description

4.1. How it works

The locked door can be unlocked by a pulse at the unlocking input (potential-free contact).

The A-opener / A-opener servo then retracts the latch bolts, signals this with two audible tones and releases them again after approx. 2 seconds. The automatic door lock is therefore ensured again when closing the door.

If a continuous signal is applied to the unlocking input, the latch bolts of the multi-point locking system remain retracted until the contact is opened again.

NOTE

In fire or smoke doors, the “permanently open” operating mode is not permitted.

NOTE

After deactivating the continuous contact, the door must be opened and closed manually once to ensure secure locking.

NOTE

After deactivating the continuous contact, it is recommended to operate the door once manually to ensure the lock bolts extend all the way and lock. A lock switch contact can offer added security over the latch/bolt position.

Additional function of the A-opener servo

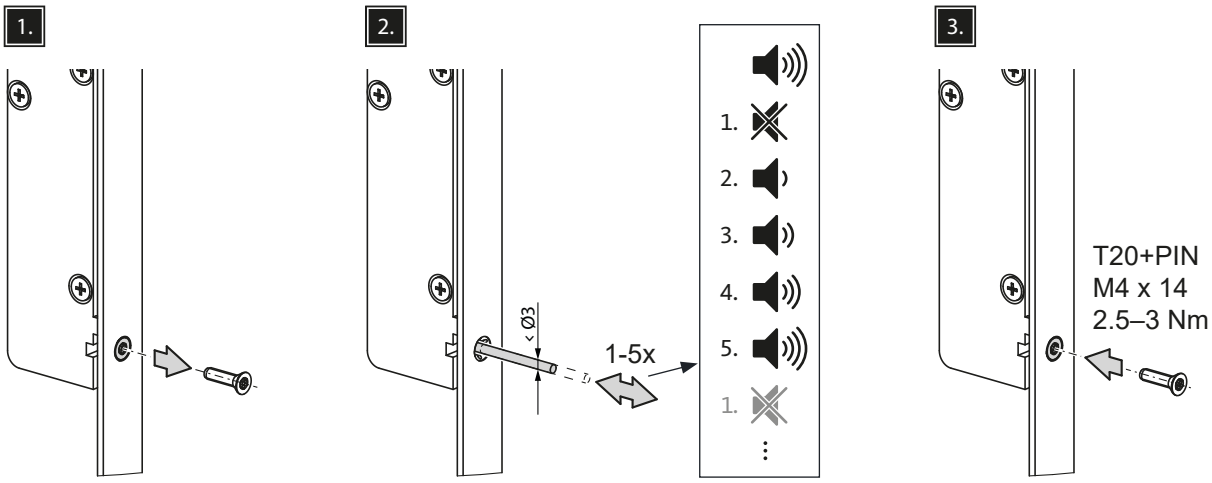
The A-opener servo is activated by slightly turning the key in the opening direction or gently pressing on the door handle. The latch bolts of the multi-point locking system are retracted using electric motors. After operating the A-opener servo for the first time, you must wait at least 3 seconds before operating the A-opener servo again.

4.2. Setting of the signal generator

4.2.1. Setting of the A-opener signal generator (grey housing)

In the delivery condition, the A-opener is programmed so that the opening process is acknowledged with two signal tones. This tells the operator that the latches are now fully retracted and the door can be opened.

The volume of the signal generator can be set as follows:



4.2.2. Setting of the A-opener signal generator (black housing)

In the delivery condition, the A-opener is programmed so that the opening process is acknowledged with two signal tones. This indicates to the operator that the latches have no fully retracted and the door can be opened.

The signal generator signal tones can be disabled as follows:

1. Wait at least 10 seconds after the lock is electrically unlocked (actuation through potential-free contact).
2. Disconnect the lock from the supply voltage and, if available, from the emergency power backup.
3. Leave the lock separated from the supply voltage for at least 10 seconds.
4. Connect the lock to the supply voltage again.
5. Add an initial pulse to the unlocking input within 3-9 seconds.
6. Apply a second pulse immediately afterwards which should last at least 10 more seconds. The A-opener does not operate here.

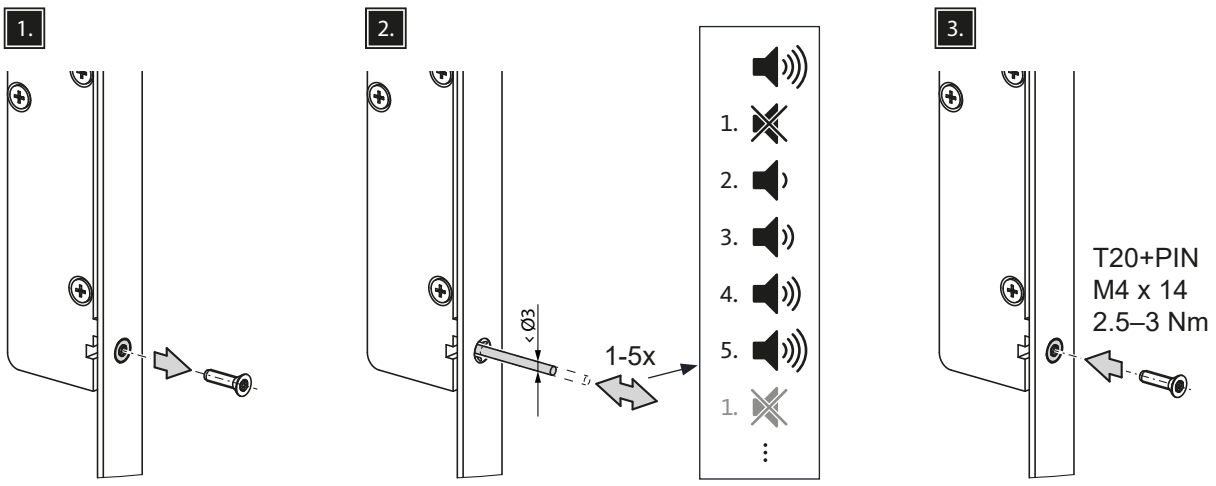
» The signal tones are now switched off.

Exactly the same programming sequence is needed to activate the signal tones.

4.2.3. Setting of the A-opener servo signal generator (grey label)

In the delivery condition, the A-opener servo is programmed so that the opening process is acknowledged with two signal tones. This tells the operator that the latches are now fully retracted and the door can be opened.

The volume of the signal generator can be set as follows:



4.2.4. Setting of the A-opener servo signal generator (white label)

In the delivery condition, the A-opener servo is programmed so that the opening process is acknowledged with two signal tones. This indicates to the operator that the latches have no fully retracted and the door can be opened.

The signal generator signal tones can be disabled as follows:

1. Wait at least 10 seconds after the lock is electrically unlocked (actuation through potential-free contact).
2. Disconnect the lock from the supply voltage and, if available, from the emergency power backup.
3. Leave the lock separated from the supply voltage for at least 10 seconds.
4. Connect the lock to the supply voltage again.
5. Add an initial pulse to the unlocking input within 3-9 seconds.
6. Apply a second pulse immediately afterwards which should last at least 10 more seconds. The A-opener servo does not operate here.

» The signal tones are now switched off.

Exactly the same programming sequence is needed to activate the signal tones.

4.3. Technical data

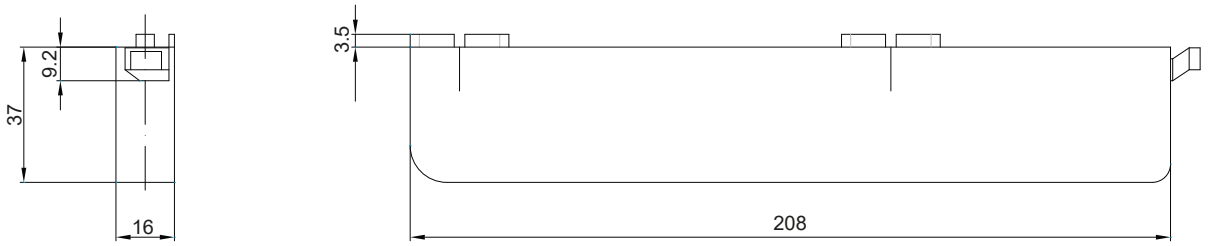
4.3.1. Electrical properties

Power supply	A-opener 241 653	24 V DC (stabilised)
	A-opener 263 018 A-opener servo 263 518	12 V AC, 12–24 V DC (stabilised)
Rated current		1 A
Power demand in standby mode at 24 V DC	A-opener 263 018 A-opener 241 653	0.4 W
	A-opener servo 263 518	0.3 W
Protection rating		IP40
Test load		Checked at 200,000 opening cycles in accordance with EN 14846
Pre-load release		at 12 V AC or DC to 280 N at 24 V DC to 400 N

4.3.2. Cable lengths and cross sections

Cable length	Cable cross section
Max. 10 m	0.5 mm²
Max. 40 m	0.75 mm²
Max. 50 m	1.0 mm²
Max. 75 m	1.5 mm²
Max. 125 m	2.5 mm²

4.3.3. Dimensions



5. Installation and connection

5.1. General notes on installation

The installation of the electrical components requires special care, as scratches and damaged cables or contacts etc. are required for security, and could result in failure or malfunctioning of the system. Before installation, ensure the components are in proper working order.

Please refer to the manufacturing drawings in the production catalogues for the exact installation dimensions 1-2D, 1-4, 3-1.1, 3-1.2, 3-2, 3-3, 3-4, 3-5.



NOTE

- ► A cutout that is not long enough or deep enough will lead to malfunctions.
- ► The pull rod guide in the upper mounting hole of the A-opener servo may need to be removed before installing the A-opener servo (e.g. by prying out with a screwdriver).

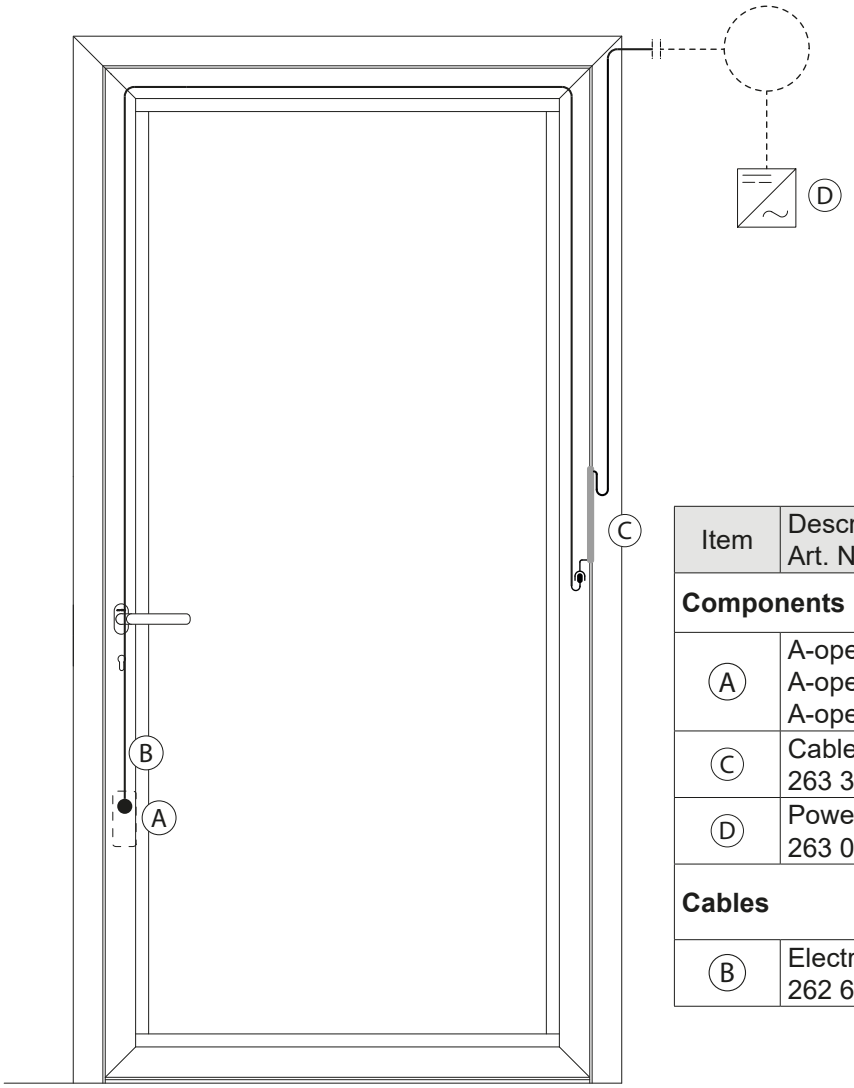
When laying cables and electrically connecting the A-opener to the plug connection, it is essential to ensure the cable cannot be crushed or damaged in the lock or meeting stile area (e.g. through the door warping, pressure from gaskets, wind load, etc.). Distributor points must be accessible for maintenance work. The type of cable, cable lengths and cross-sections may only be designed according to the specifications (see chapter 4.4 "Technical Data").



DANGER

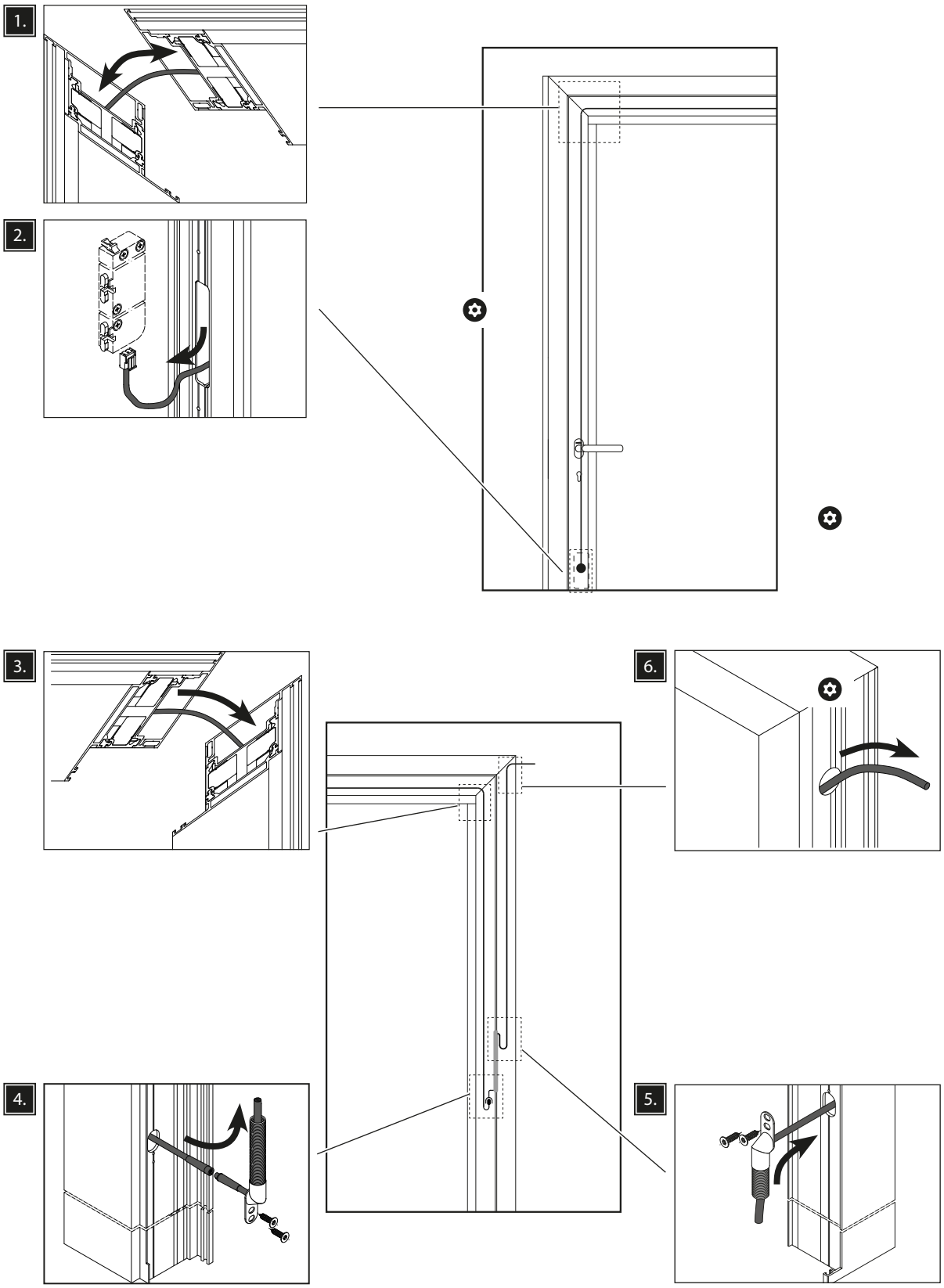
- ► Adhere to the regulations and standards for SELV voltages when installing and laying cables.
- ► Do not embed flexible cables, and ensure that freely suspended cables are provided with strain relief.

5.2. Example of cabling – Overview drawing



Item	Description Art. No.
Components	
A	A-opener 263 018 / A-opener servo 263 518 / A-opener (fire protection) 241 653
C	Cable link connector 263 306 / 263 369
D	Power pack 24 V/2.0 A PE 263 099
Cables	
B	Electric lock cable 262 619 / 263 033

5.3. Wiring of the electric lock cable

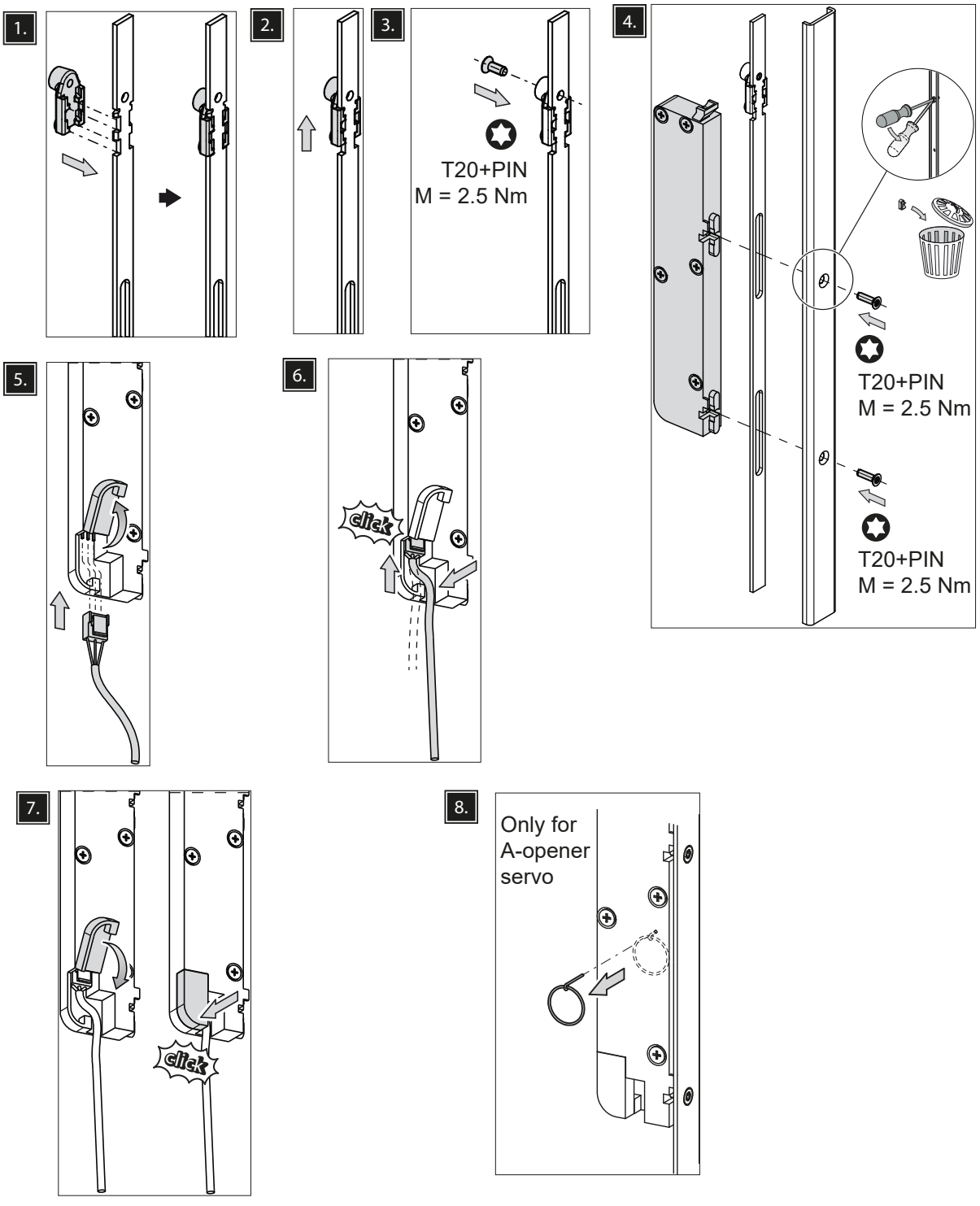


5.4. Installation sequence

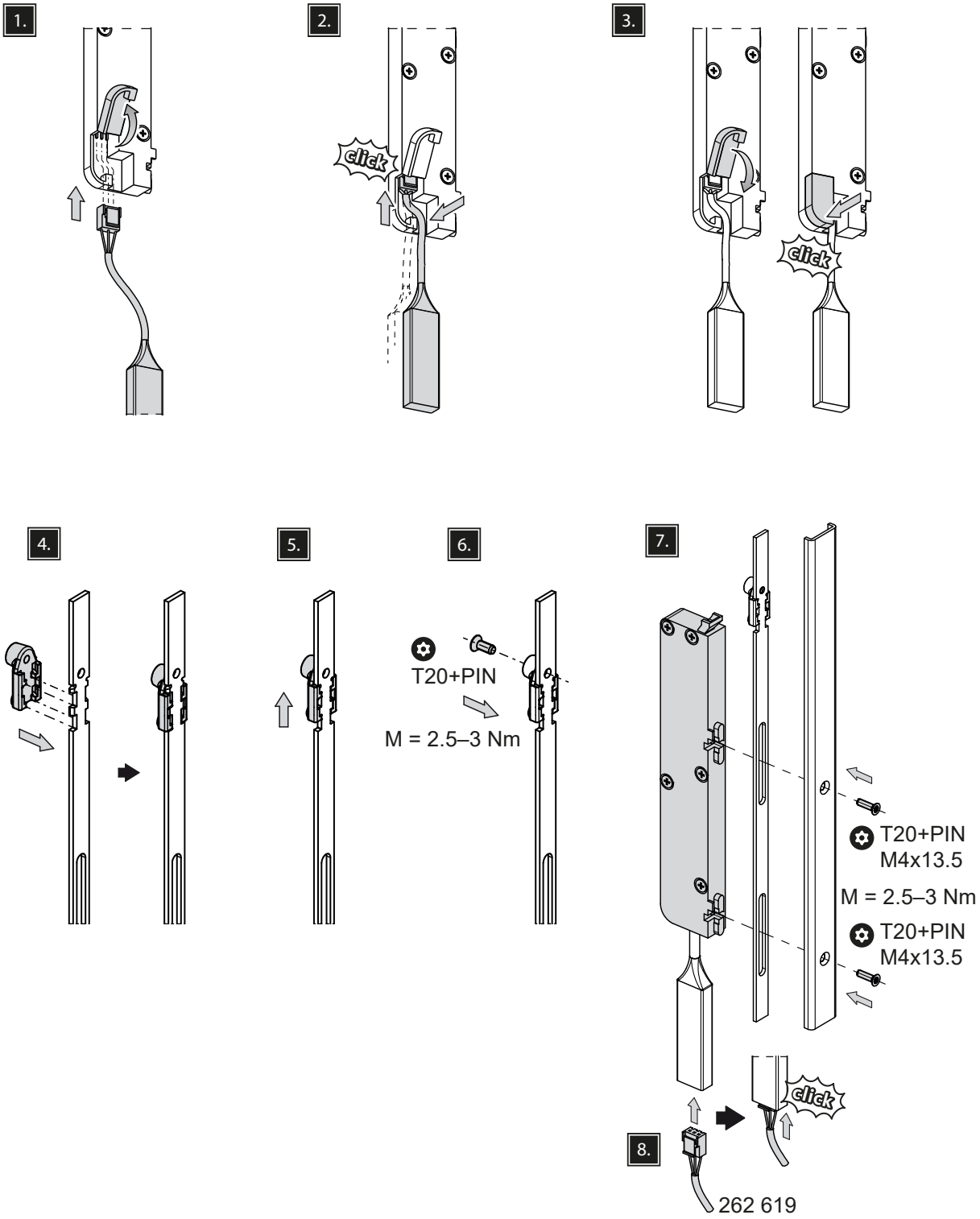
Preparation:

Tool
Bit with bore hole ISR 20 TR

5.4.1. Installation sequence of A-opener and A-opener servo (263 018/263 518)

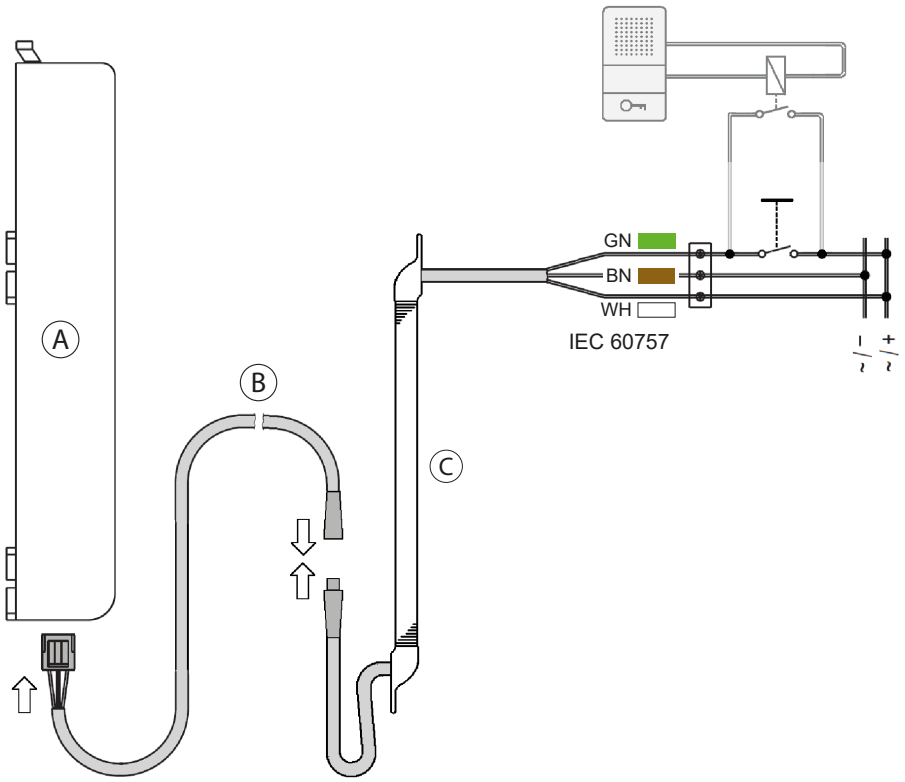


5.4.2. Installation sequence of the A-opener for use in fire protection doors (241 653)



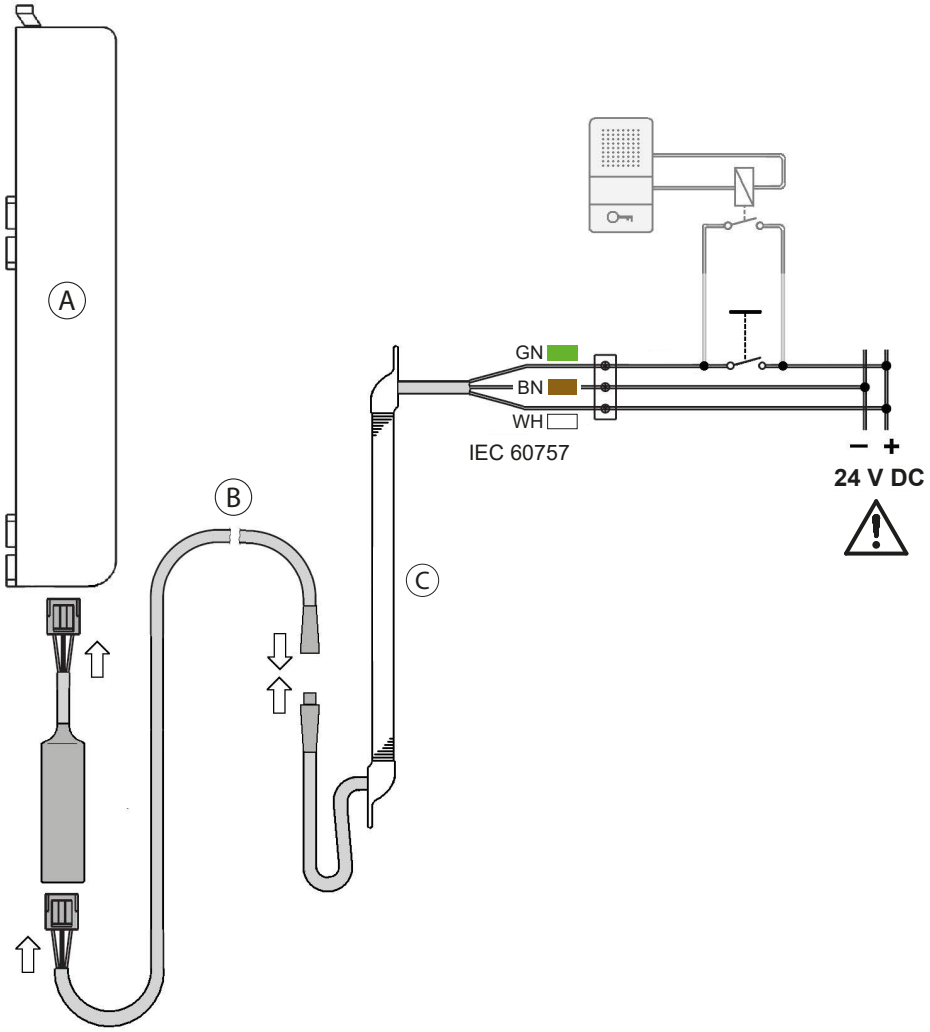
5.5. Electrical connection

Example of electrical connection (illustrated)



Item	Description Art. No.
Components	
Ⓐ	A-opener/A-opener servo 263 018 / 263 518
Ⓒ	Cable link connector 263 306 / 263 369
Lines	
Ⓑ	Electric lock cable 262 619 / 263 033

Wire colour	Assignment
WH	24 V DC / 12 V AC
BN	GND / 12 V AC
GN	Release signal



Item	Description Art. No.
Components	
Ⓐ	A-opener (fire protection) 241 653
Ⓒ	Cable link connector 263 306 / 263 369
Cables	
Ⓑ	Electric lock cable 262 619 / 263 033

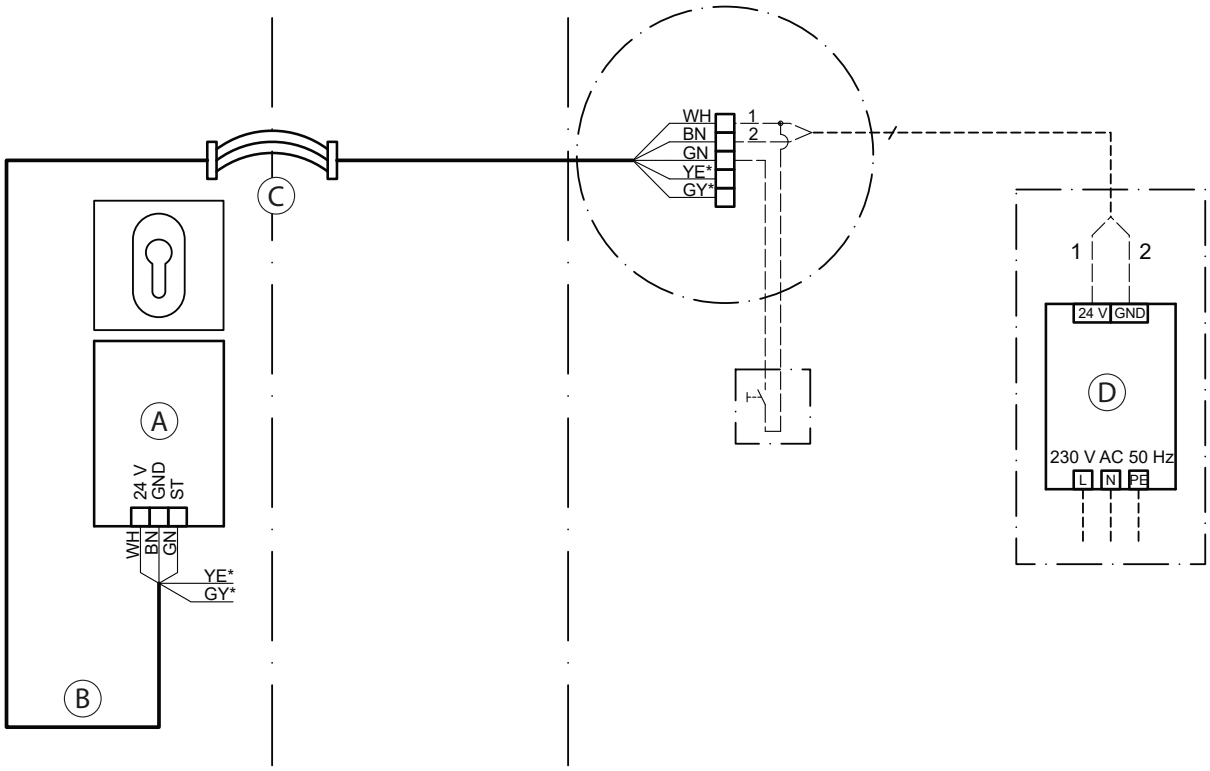
Wire colour	Assignment
WH	24 V DC
BN	GND
GN	Release signal

Example of electrical connection (circuit diagram)

NOTE

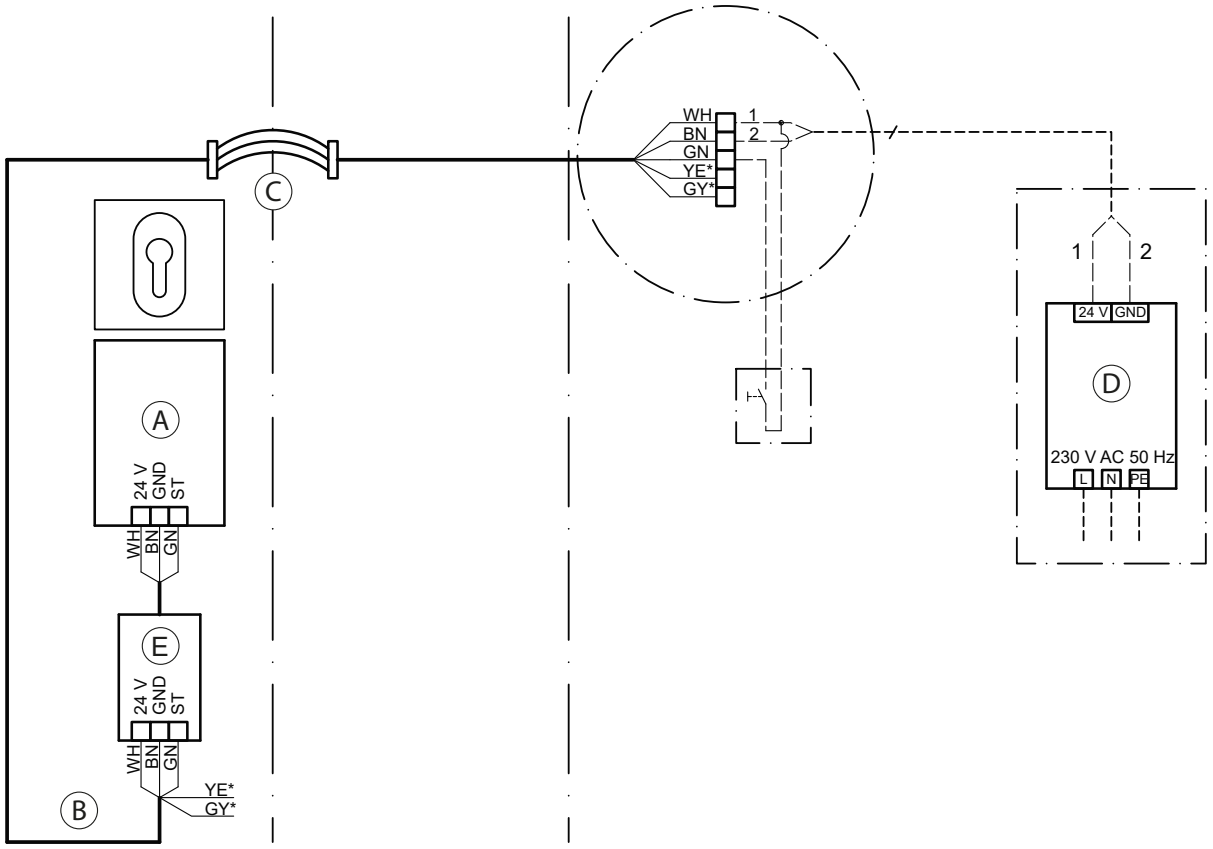
Damage to property.

► Individually isolate all unused wires.



Item	Description Art. No.
Components	
Ⓐ	A-opener/A-opener servo 263 018 / 263 518
Ⓒ	Cable link connector 263 306 / 263 369
Ⓓ	Power pack 24 V / 2.0 A PE 263 099
Other cables	
Ⓑ	Detachable electric lock cable (5.2 m - 5.2 m) (262 619)

Wire colour	Assignment
WH	24 V DC / 12 V AC
BN	GND / 12 V AC
GN	Release signal
YE	Not used
GY	Not used



Item	Description Art. No.
Components	
A	A-opener (fire protection) 241 653
C	Cable link connector 263 306 / 263 369
D	Power pack 24 V / 2.0 A PE 263 099
E	Emergency power backup 268 316
Other cables	
B	Detachable electric lock cable (5.2 m - 5.2 m) (262 619)

Wire colour	Assignment
WH	24 V DC
BN	GND
GN	Release signal
YE	Not used
GY	Not used

5.6. Test run

After installation and after any alteration to the construction, a test run must be carried out on all functions to check them.



WARNING

There is a risk of injury between the door and the frame.

After the installation is complete, the end user must be instructed in all the key operating steps. As a test run, the door is unlocked by an electrical pulse on the release input (e.g. the building intercom system). The A-opener / A-opener servo now retracts all latches, ends the procedure after approx. 1.5 seconds and signals the open state with tones. Then the door can be opened by hand.

The latches are kept retracted for approx. 2 seconds. The A-opener / A-opener servo then releases the latches and they return to the initial position. Now the door can be closed manually again.



INFORMATION

The servo function (only A-opener servo) is only active 10 seconds after turning on the power supply.

For the test run, the A-opener servo is activated by slightly turning the key in the opening direction or gently pressing on the door handle. The A-opener servo now withdraws all lock latches.

From the inside, with an unlocked main latch, the door can be opened at any time using the handle.

6. Inspections and maintenance work, replacement parts

Only operate the A-opener / A-opener servo with power supplies with outputs which meet at least the requirements of the lock (see chapter 4.4 “Technical data”). No guarantees are valid if this is not adhered to.

Regularly check the readiness for operation of the locking system. To do this, inspect the fixing points and tighten the screws if necessary.

The mechanical properties of the lock (key or handle operation / latch bolt) must not be impaired due to contamination. Clean these at least once per year and lubricate them with non-hardening oil.

The A-opener/A-opener servo itself is maintenance-free.

7. Corrective action

Description of defect	Possible cause(s)	Corrective action
The A-opener/A-opener servo does not move	The cables are incorrectly connected or not there	● Check the electrical connectors. ● Check the power supply. ● Check the clamping points.
Latches are retracted when operated, but no longer released	Cables incorrectly connected	● Check the electrical connectors. ● Cutout for the A-opener too small: clamp of the gear rack / hook of the tie rod. The cutout must be made larger.
The A-opener/A-opener servo buzzes for a longer period of time or the A-opener cannot withdraw the latches	There is not enough current at the A-opener or too weak of a voltage supply	● Check the voltage supply (at least 1 ampere).
	Cables used are too thin or too long	● Check the cable cross section.
	Power consumer connected in parallel	● Insufficient voltage supply output.
Only the additional locks are withdrawn	-	● Functioning as intended. There is no error.
	Faulty main lock case	● Contact Schüco.
No "servo" function	-	● Check the pull rods for free motion.
	-	● Check the smooth turning of the key.
A-opener/A-opener servo only starts again after a few seconds	After opening and closing the door again in quick succession several times, the A-opener/A-opener servo will be locked for a max. of 15 seconds.	● Wait for 15 seconds.
A-opener/A-opener servo does not move and beeps five times.	Not enough supply voltage at A-opener/A-opener servo.	● Check the cable cross-section.
		● Check the voltage supply (min. 12 V at 1 ampere).
A-opener/A-opener servo stops its movement, beeps 5 times and restarts.	Not enough supply voltage at A-opener/A-opener servo.	● Check the cable cross-section.
		● Check the voltage supply (min. 12 V at 1 ampere).
A-opener/A-opener servo acknowledges the opening state with 3 signal tones.	A-opener/A-opener servo moves at low power, since not enough supply voltage was detected during movement.	● Check voltage supply (min. 12 V at 1 ampere) and cable cross section. Then press the pushbutton described in section 4.2 for 20 seconds (acknowledged by a long signal tone).

8. Care and maintenance

NOTE

Damage to property

- ► Prevent water getting inside the device.
- ► Do not use any aggressive or abrasive cleaning agents. Clean DCS modules using a dry or damp cloth. Remove more stubborn dirt using a domestic cleaning agent for glass.

9. Decommissioning and disposal



The materials used can be recycled. Observe the environmental requirements with regard to recycling, re-use and disposal of operating materials and components in accordance with the local, country-specific and international current technical regulations and official regulations. Make a contribution towards protecting our environment and dispose of the device at a collection point.

The symbol of the crossed-out rubbish bin indicates that this electrical/electronic device may not be disposed of in household waste at the end of its working life. It can be returned to free collection points for old electric and electronic devices in your area. Addresses can be obtained from your city council or local administration. Collecting old electric and electronic devices separately enables the reuse, the recycling of materials or other forms of recycling, and prevents dangerous substances which may be contained in the devices from having negative effects on the environment or human health during their disposal.
For more information, visit www.elektrogesetz.de

10. Service and support

At Schüco, a high level of customer satisfaction is our priority.
Should you require further information or encounter problems not dealt with in detail in this document, you can request the requisite information from Building Automation Technical Support.

You can reach your contact partners on the service phone numbers below:

Hotline - Metal systems
Please contact your local branch.
Hotline - Technical Support for Building Automation
Tel.: +49 (0) 521 - 783 665
Fax: +49 (0) 521 - 783 9071

E-mail: Support_automation@schueco.com

Service Hours:
Mon. - Thur: 8:00 am - 4:30 pm
Fri: 8:00 am - 3:00 pm

en Original instructions

The export, fabrication and assembling of Schüco products within the scope of building projects in the USA are subject to specific regulations (product testing/certification) which must be coordinated with Schüco USA LLLP prior to importing the products into the USA. If you have any questions on this matter, please contact Schüco USA LLLP, e-mail: alutechsupport@schuco-usa.com. Schüco International KG assumes no liability for damages which result from the use / fabrication / assembling of products which have not been approved by Schüco for the US market or which are fabricated and assembled there by contractors who are not sufficiently qualified to work with Schüco products.

Please note the special instructions in the general section of the manual for the fabrication and assembly of Schüco products for building projects in the USA.

Schüco International KG
Karolinenstraße 1-15
33609 Bielefeld
Tel. +49 (0)521 783-0
Fax +49 (0)521 783-451
www.schueco.com

The "Schüco" logo and other logos are protected in Germany and various international markets. Detailed information is available on request.

0-45874-L0-0-EN | 18 | 06.2026 | G43208
Doc. No. 10000349939_18 / 06.2026 / Printed in Germany
We reserve the right to make changes and to correct errors. Products may differ from illustrations.