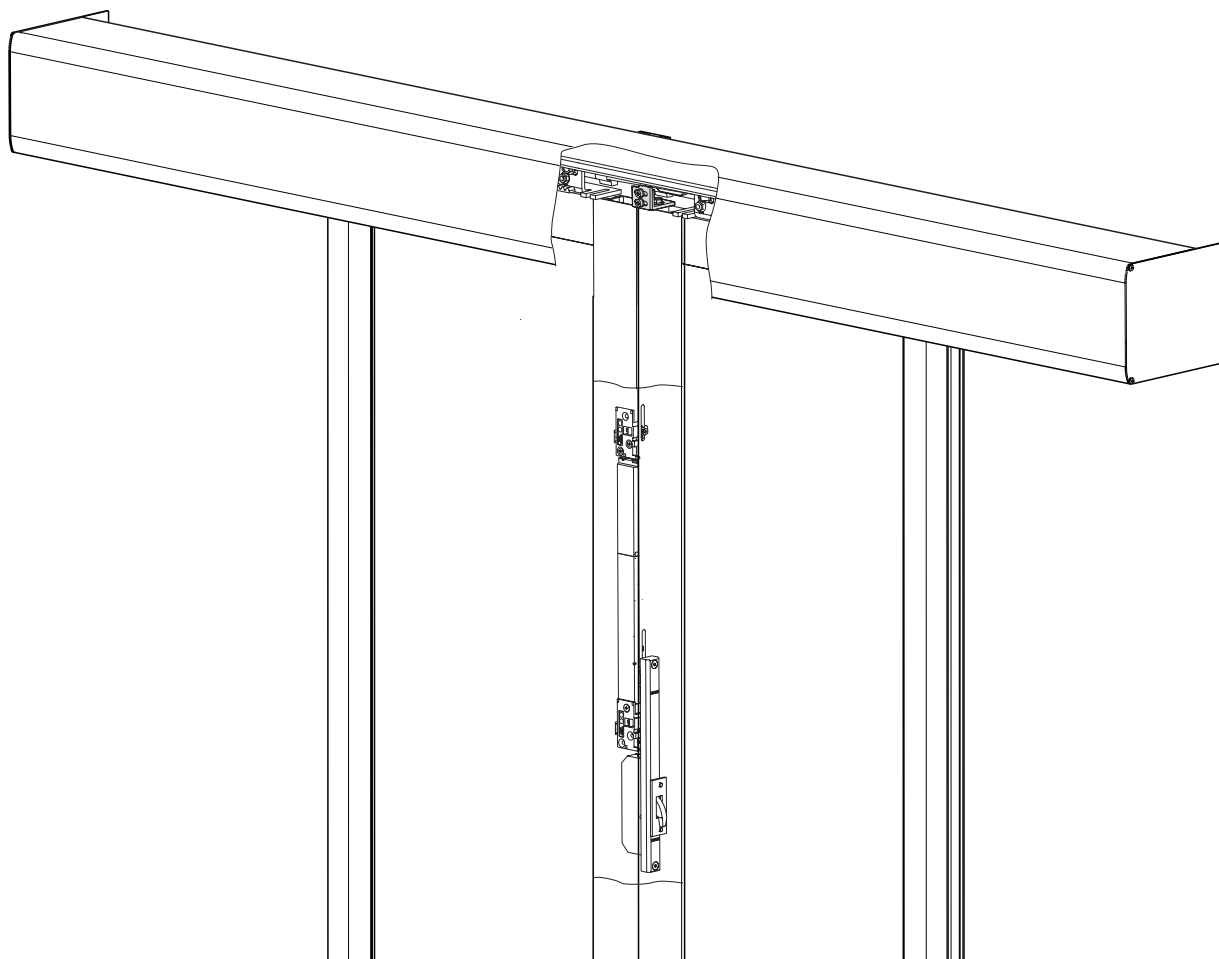




Automatic Lock A hook bolt lock

EN Installation instructions

186500
2026-04_01

Contents

Introduction.....	3
Symbols and illustrations.....	3
Revisions and validity.....	3
Product liability.....	3
Reference documents.....	3
Abbreviations.....	3
1 General safety notes.....	4
1.1 Intended use.....	4
1.2 Safety notes.....	4
1.3 Safety-conscious working.....	5
1.4 Inspection of the installed system.....	5
1.5 Environmentally conscious working.....	5
1.6 Qualification.....	5
2 Overview.....	6
2.1 Diagrams.....	6
2.2 Tools and aids.....	6
2.3 Torques.....	6
3 Installation.....	7
3.1 Install hook bolt lock A in the side screen profile.....	7
3.2 Installing the transmission element with ECdrive T2.....	13
3.3 Installing the transmission unit with Slimdrive SL NT.....	18
3.4 Post installation, 1-leaf.....	21
3.5 Emergency activation.....	26
4 Service and maintenance.....	28
5 Troubleshooting.....	28

Introduction

Symbols and illustrations

Warning notices

In these instructions, warning notices are used to warn against material damage and injuries.

- ▶ Always read and follow these warnings.
- ▶ Follow all measures labelled with the warning symbol and warning word.

Warning symbol	Warning word	Meaning
	WARNING	Danger to persons. Non-compliance can result in death or serious injuries.

Further symbols and illustrations

Important information and technical instructions are highlighted to explain correct operation.

Symbol	Meaning
	means "important note". Information to prevent property damage, to understand or optimise the operation sequences.
	means "additional Information"
	Symbol for an action: This means you have to do something. ▶ If there are several actions to be taken, keep to the given order.

Revisions and validity

Version 01: valid for version ECdrive T2, ECdrive T2-FR, Slimdrive SL NT, Slimdrive SL NT-FR from year of manufacture 2026.

Product liability

In accordance with the manufacturer's liability for its products as defined in the German "Product Liability Act", compliance with the information contained in this brochure (product information and intended use, misuse, product performance, product maintenance, obligations to provide information and instructions) must be ensured. Failure to comply releases the manufacturer from its statutory liability.

Reference documents

Type	Name
Wiring diagram	Automatic sliding doors door control units DCU1-NT/DCU1-2M-NT
Faults and corrective measures	DCU1-NT/DCU1-2M-NT electronic drive for automatic sliding doors
Cable plan	Automatic sliding door systems
Pre-installation instructions	ECdrive T2
Installation instructions	ECdrive T2
Installation instructions	ECdrive T2 girder section and side panel
Installation instructions	SL NT
Installation instructions	Girder section SL NT
Installation instructions	Leaf and side panel profile systems

The diagrams are subject to change without notice. Use only the most recent version.

Abbreviations

HSK	Main closing edge
FF	Finished floor level

1 General safety notes

To ensure personal safety, it is important to follow these safety instructions. These instructions must be kept.

1.1 Intended use

The hook bolt locks A are only suitable for use

- in dry rooms
 - in automatic door systems for horizontal door leaves
 - in entrances and interior areas of pedestrian traffic in commercial plants and public areas,
- The hook bolt locks must not be used in fire and smoke protection doors.

1.2 Safety notes

- The mandatory installation, maintenance and repair work must be performed by properly trained personnel authorised by GEZE.
- The country-specific laws and regulations are to be observed during safety-related tests.
- If unauthorised changes are made to the system, GEZE cannot be held liable in any way whatsoever for any resulting damage, and the statement of approval for use in escape and rescue routes is no longer valid.
- GEZE does not accept any warranty for combinations with third-party products.
- Furthermore, only original GEZE parts may be used for repair and maintenance work.
- The connection to the mains voltage must be made by a professional electrician. Perform the mains connection and protective conductor test in accordance with VDE 0100 Part 610.
- Use an on-site circuit breaker as the mains-side disconnecting device, the rated value of which is matched to the type, cross-section, installation methods and ambient conditions of the on-site mains supply line. The circuit breaker must have a minimum rating of 4 A and a maximum rating of 16 A.
- In compliance with Machinery Directive (2006/42/EC), a risk analysis must be performed and the door system identified in accordance with CE Marking Directive 93/68/EEC before the door system is commissioned.
- Observe the latest versions of guidelines, standards and country-specific regulations, in particular:
 - EN 16005: "Power operated pedestrian doorsets – Safety in use – Requirements and test methods"
 - EN 60335-1: "Household and similar electrical appliances - Safety Part 1: General requirements"
 - EN 60335-2-103: "Household and similar electrical appliances - Safety: Special requirements for drives for gates, doors and windows"
- Relevant regulations must be used for the selection of suitable fasteners, e.g. the guidelines for planning and executing the installation of windows and front doors for new buildings and refurbishment issued by RAL Gütergemeinschaft Fenster und Haustüren e.V. (RAL Quality Institute for Windows and Doors).



Install/fit the product in such a way that it can be easily accessed for any repairs and/or maintenance with relatively little effort and that any removal costs are not disproportionate to the value of the product.

1.3 Safety-conscious working

- Secure workplace against unauthorised entry.
- Watch the swivelling range of long system parts.
- Never carry out work with a high safety risk (e.g. installing the drive, drive cover or door leaf) while alone.
- Secure the cover/drive panels against falling.
- Only use the cables specified in the wiring schematic. Connect the shields according to the wiring diagram.
- Secure loose, internal drive cables with cable ties.
- Before working on the electrical system:
 - Disconnect the drive from the 230/115 V mains and check to ensure that it is not supplied with power.
 - Disconnect the control unit from the 24 V rechargeable battery.
 - Note that if an Uninterruptible Power Supply (UPS) is used, the system will still be supplied with voltage despite the fact that the power supply is disconnected.
- Always use insulated wire end ferrules for wire cores.
- Attach safety stickers to glass leaves.
- Danger of injury with opened drive. Hair, clothing, cables, etc. can be drawn in by rotating parts!
- Danger of injury caused by unsecured crushing, impact, drawing-in or shearing spots!
- Danger of injury due to glass breakage!
- Danger of injury due to sharp edges in the drive.
- Danger of injury during installation through freely moving parts!

1.4 Inspection of the installed system

Measures for protection and prevention of pinching, impact, shearing or drawing-in spots:

- Check the function of safety sensors and movement detectors.
- Check protective earth connection to all metal parts that can be touched.
- Perform a safety analysis (risk analysis).

1.5 Environmentally conscious working

- When disposing of the door system, separate the different materials and have them recycled.
- Do not dispose of batteries and rechargeable batteries with household waste.
- Comply with the statutory regulations when disposing of the door system and the batteries/rechargeable batteries.

1.6 Qualification

Installation of the GEZE sliding door drive may only be carried out by experts authorised by GEZE.

2 Overview

2.1 Diagrams

Drawing no.	Designation
70518-0-001	Drive drawing ECdrive T2
70511-9-0953 70511-0-001	Drive drawing SL NT
–	Wiring diagram DCU1, DCU1-2M
70715-9-9883 70715-9-9884	Leaf drawing EC T2
70715-9-9863	Leaf drawing SL NT
70518-ep21/-ep22/-ep25/-ep26/-ep29/ -ep30/-ep33/-ep34	Installation diagrams EC T2
70511-ep16/-ep17	Installation diagrams SL NT

2.2 Tools and aids

Tool	Size/remark
Tape measure	
Marking pen	
Torque spanner	
Allen key	1.5 mm; 2.5 mm; 4 mm; 5 mm
Open-ended spanner	8 mm; 10 mm; 13 mm; 15 mm
Ring spanner	8 mm; 10 mm
Screwdriver set	Floor guide slot up to 6 mm; cross recess PH2 or PZ2
Torx spanner	T × 20; T × 25
Side-cutting pliers	
Crimping pliers for cables	
Wire stripper	
Multimeter	
Installation tool Lock A	Mat. no. 153719
Cable ties	2.5 × approx. 100
Metal drill	Ø 2.8 mm

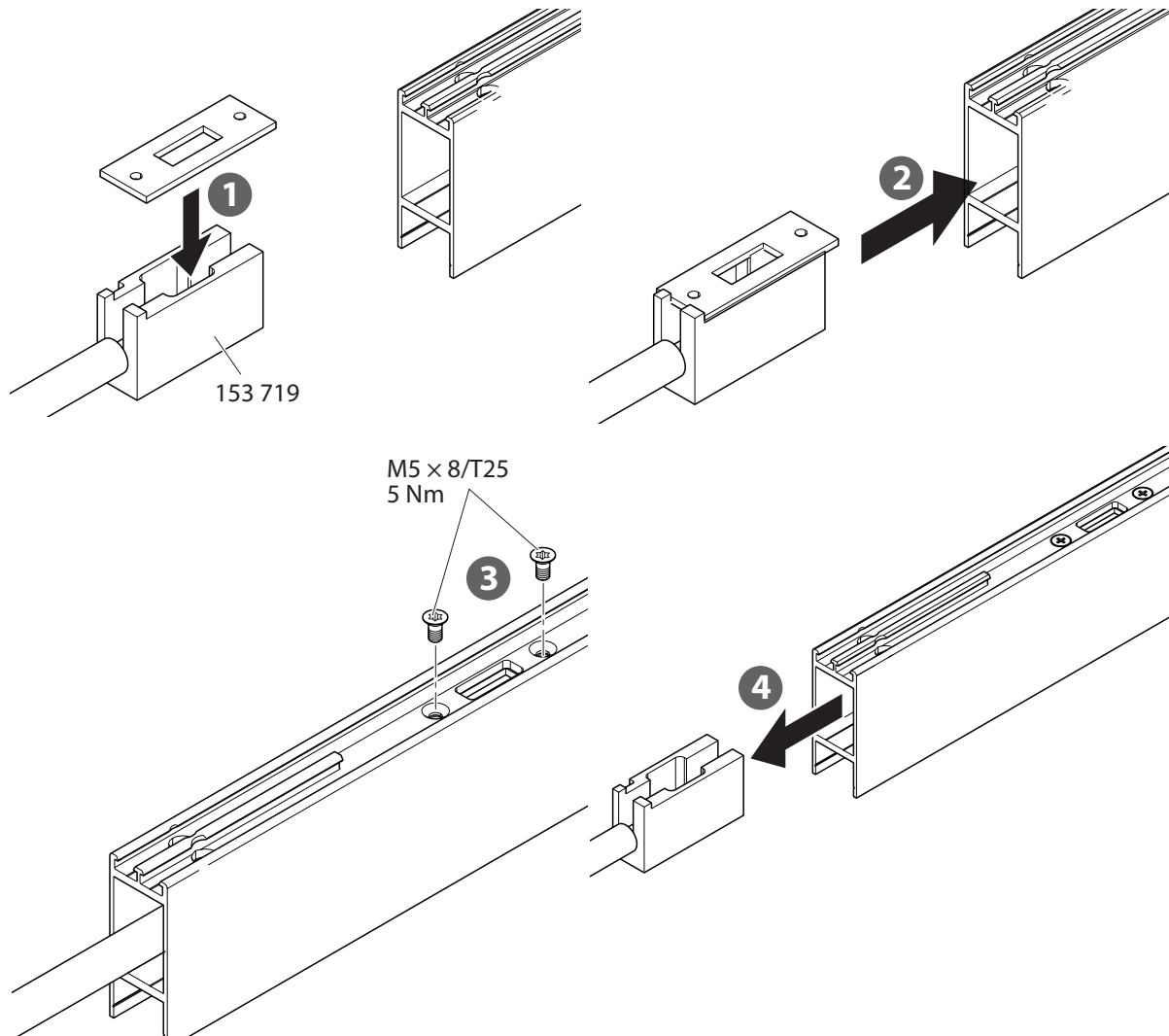
2.3 Torques

The torques are stated in the specific installation step, the drive drawing or in the leaf drawings.

3 Installation

3.1 Install hook bolt lock A in the side screen profile

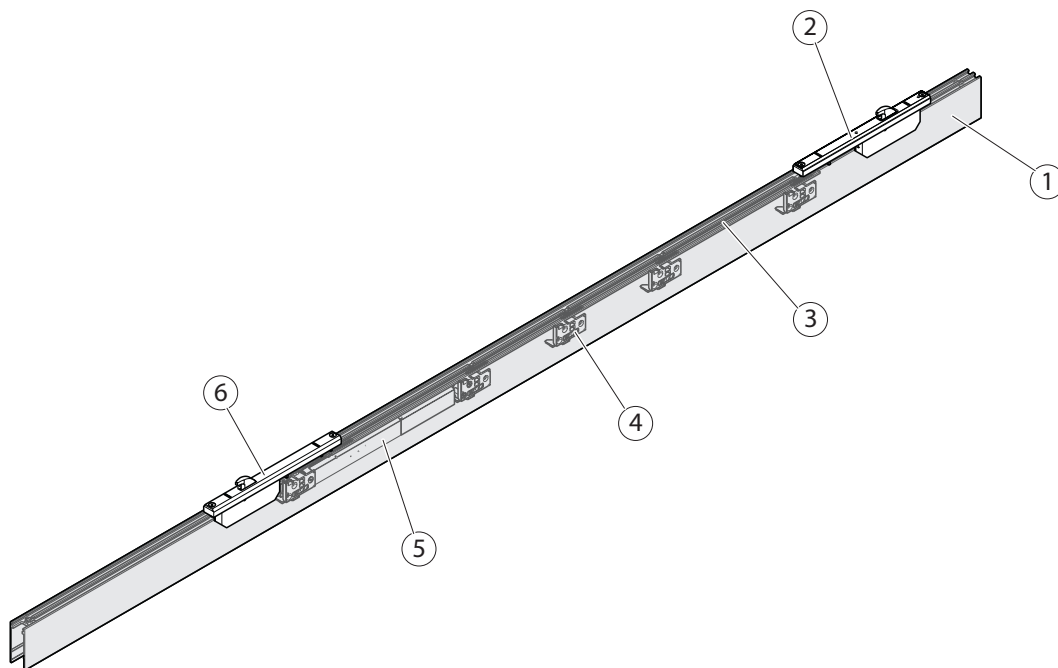
3.1.1 Install the strike plate in the side screen (1- and 2-leaf)



3.1.2 Install the drive and hook bolt locks in the side screen bolts



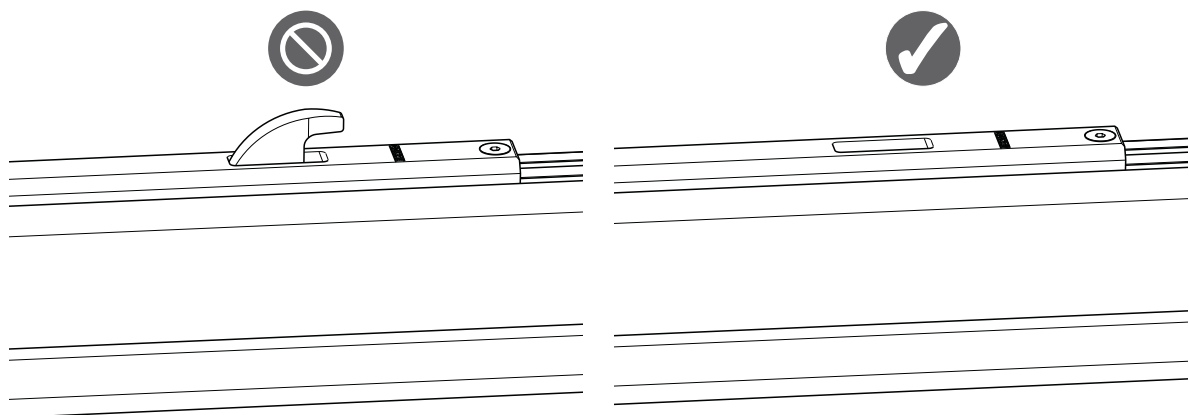
The hook bolt locks are available in versions with single or double locking mechanisms. The illustration below shows the version with double locking mechanism in the locked state.

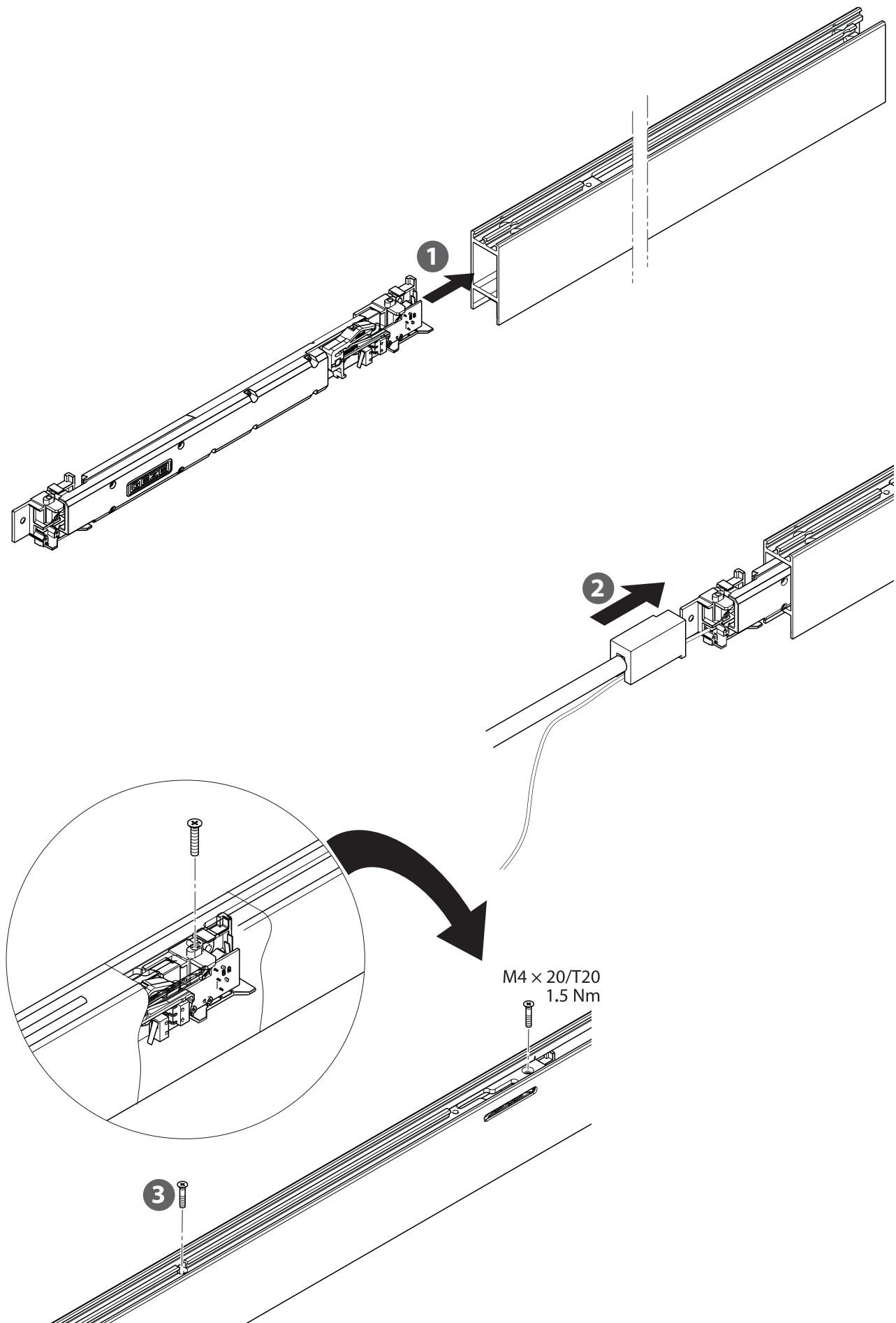


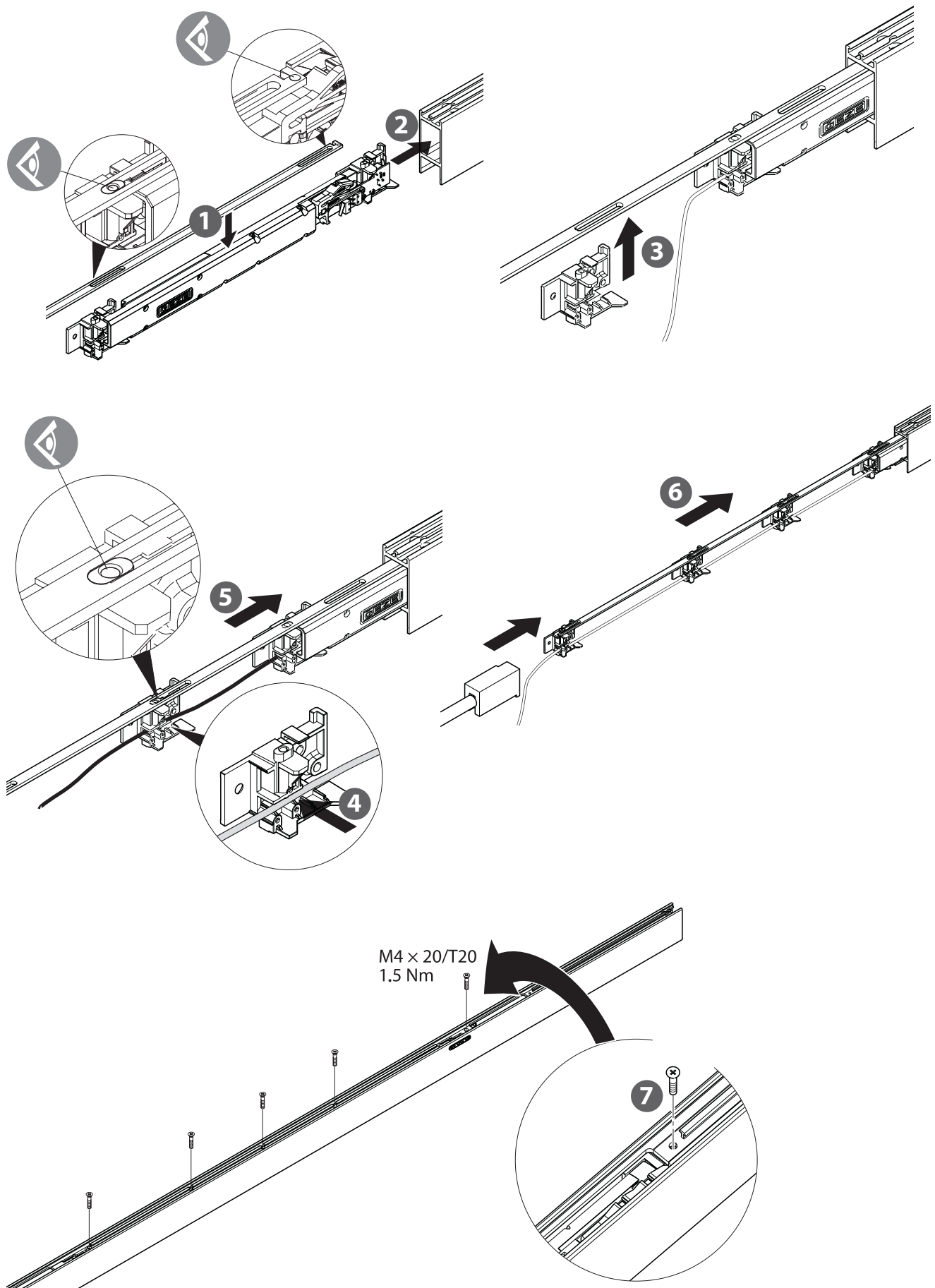
- 1 Side screen bolt
- 2 Upper hook bolt lock
- 3 Connecting link arm
- 4 Holder
- 5 Drive hook bolt lock
- 6 Lower hook bolt lock

Factory setting

The side screen bolts are delivered unlocked.



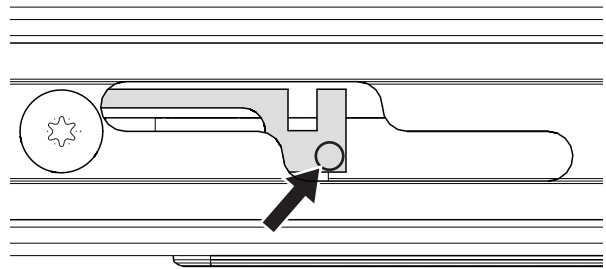
Preparation for installation – version with one hook bolt lock

Preparation for installation – version with two hook bolt locks

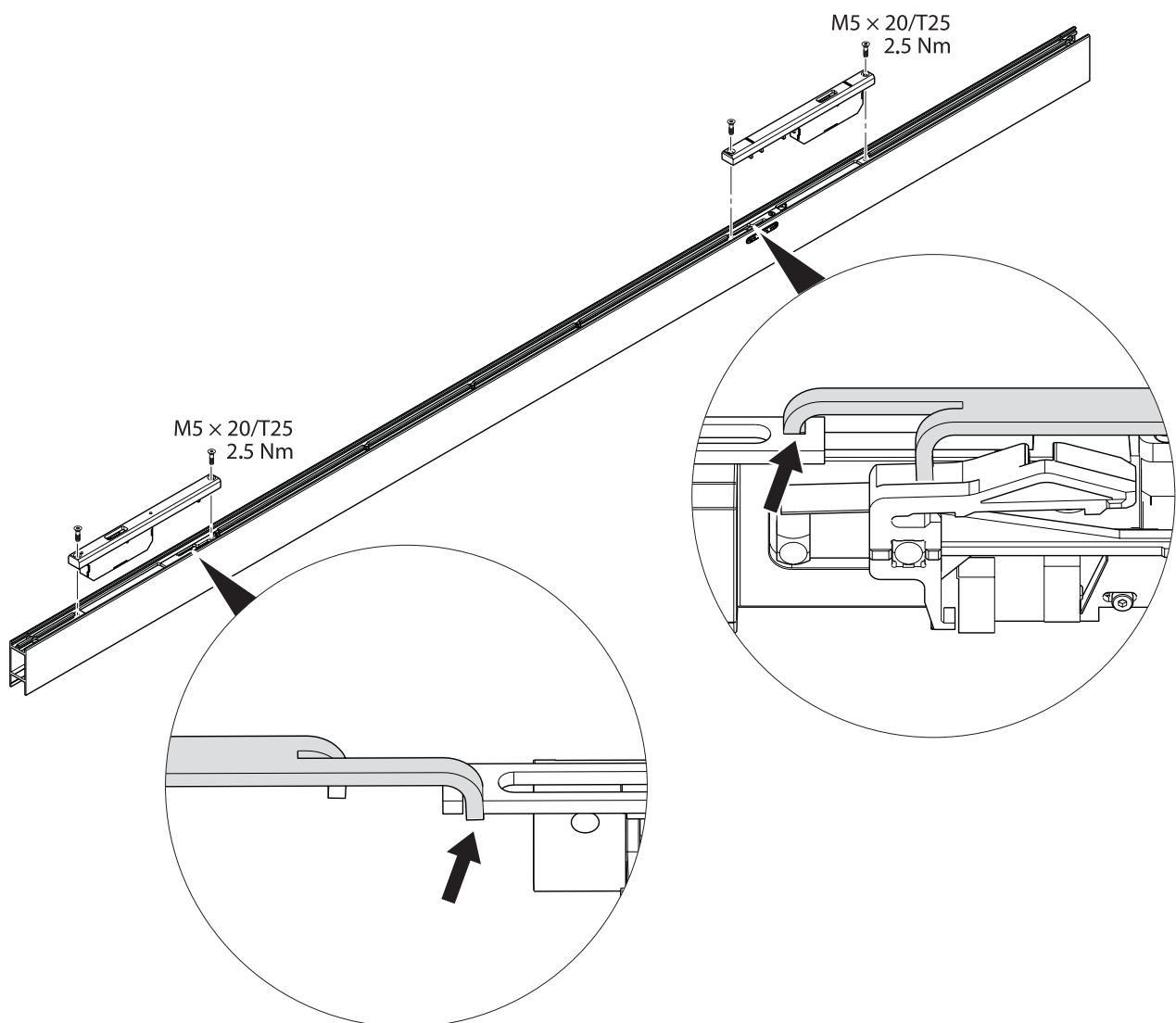
Installing the hook bolt locks

- Push the connecting link arm in until the marking can be seen as shown in the diagram on the right.

The optimum position for the installation of the hook bolt locks has then been reached.



- When installing two hook bolt locks make sure that the hooks of the driving rod catch the connecting link arm as shown below (see arrows).



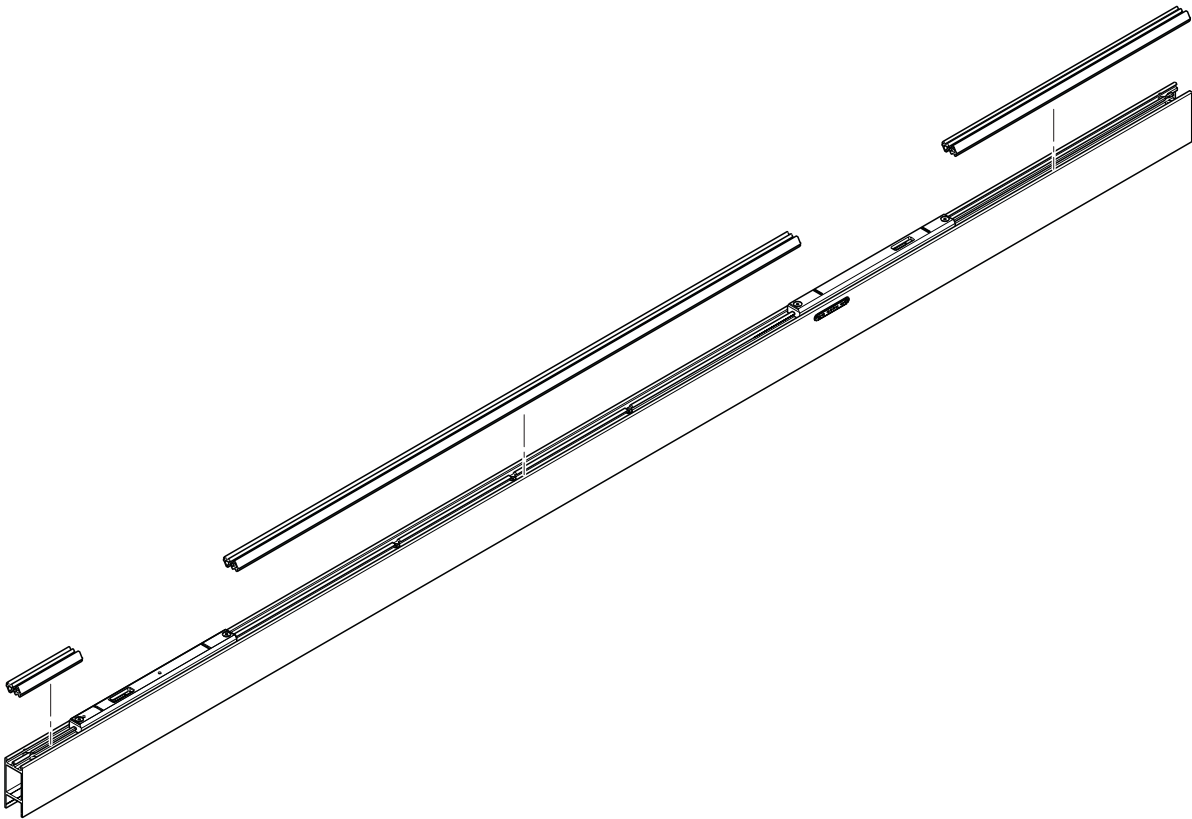
Attaching the rubber seals

(illustration with 2 hook bolt locks)



Single leaf: Both in one moving leaf with the same orientation

Double leaf: One seal per moving leaf, with alternating orientation.



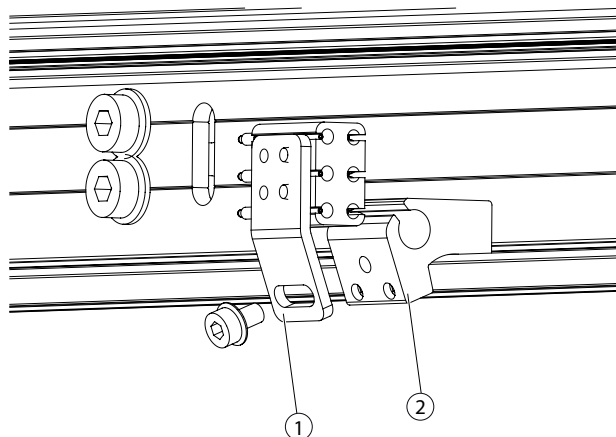
3.2 Installing the transmission element with ECdrive T2

3.2.1 ECdrive T2, 1-leaf, right hand slide to open

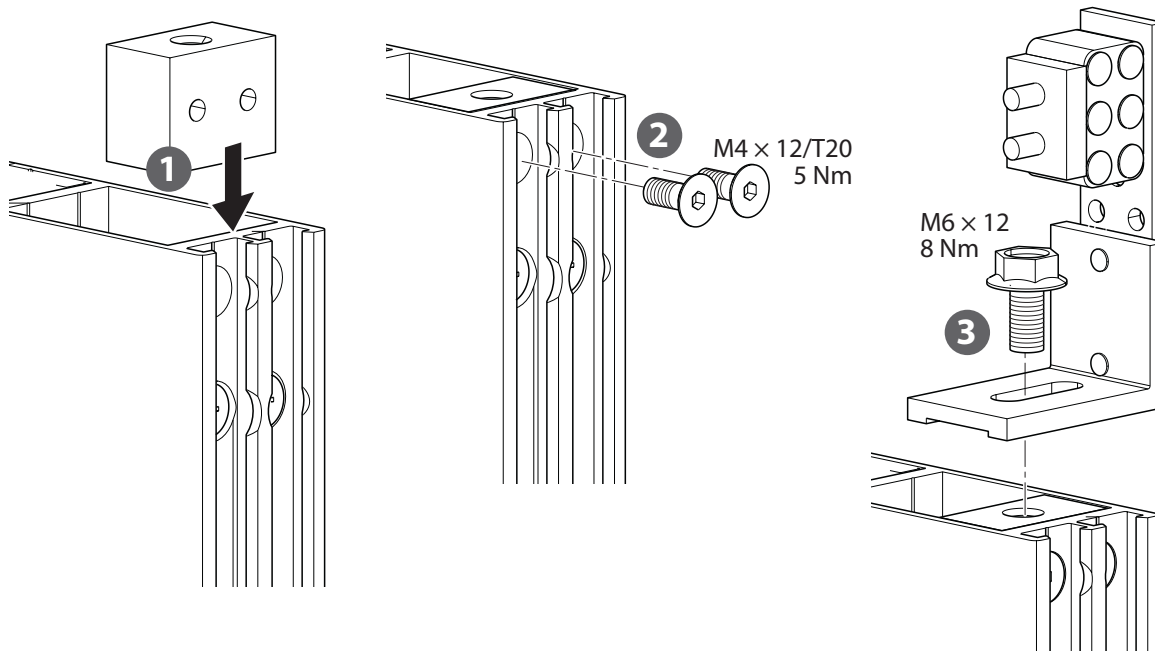
- ! ▶ Adjust the position of the stop buffer in closed position without rubber buffer after door installation and calibration. When the door is closed the stop buffer must not be flush. The distance should be about 1 mm.

Installing the spring-mounted unit

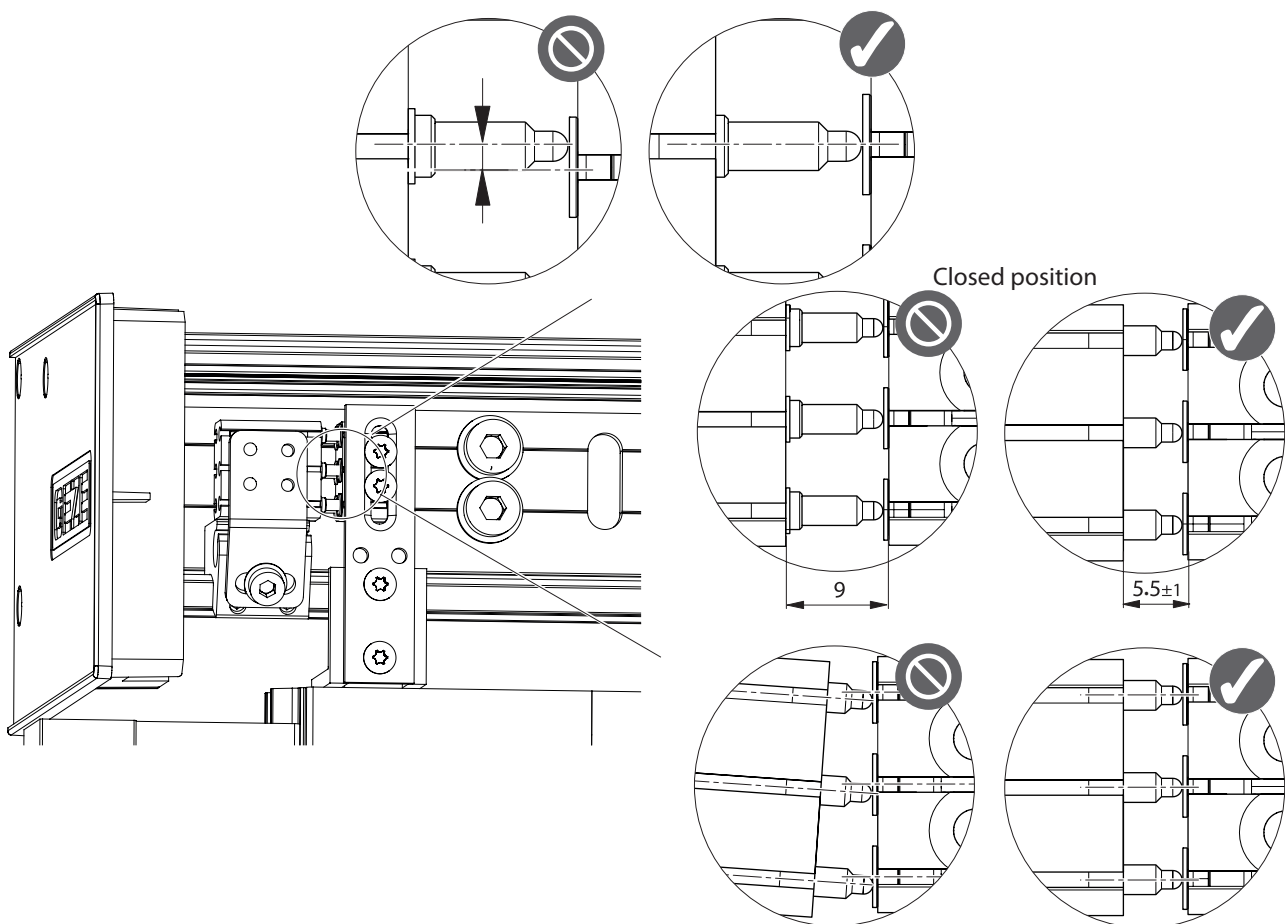
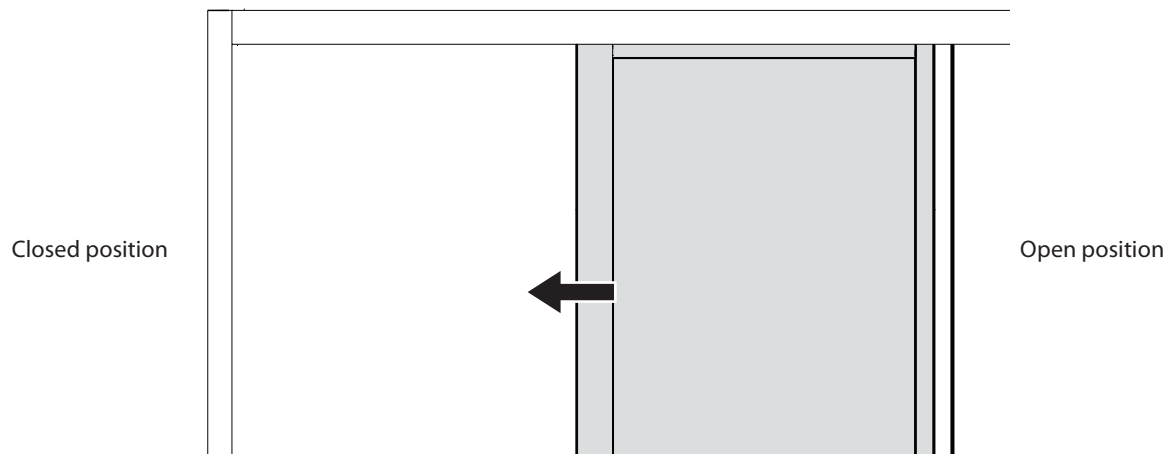
- ▶ Screw the spring-mounted unit (1) to the buffer (2).

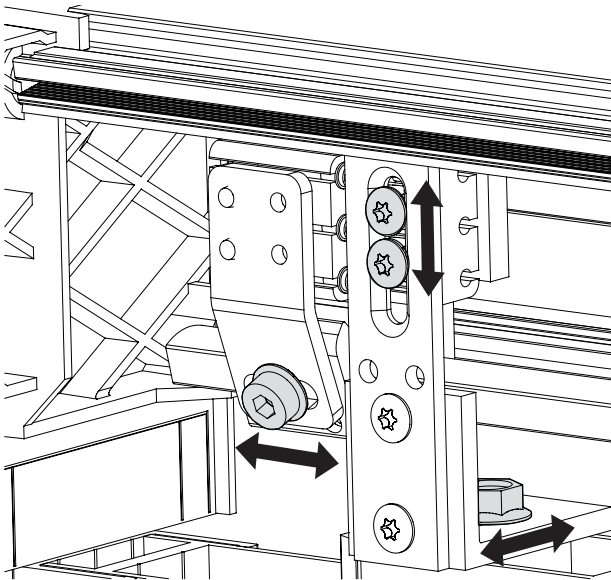


Installing the unit without spring-mounting



- Move the moving leaf towards the closed position.

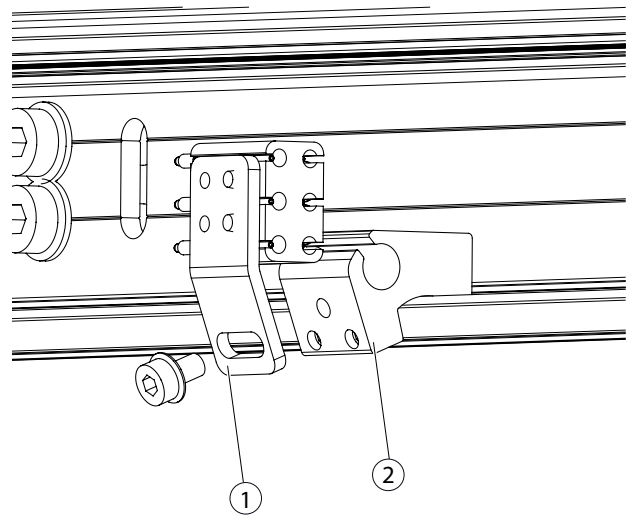


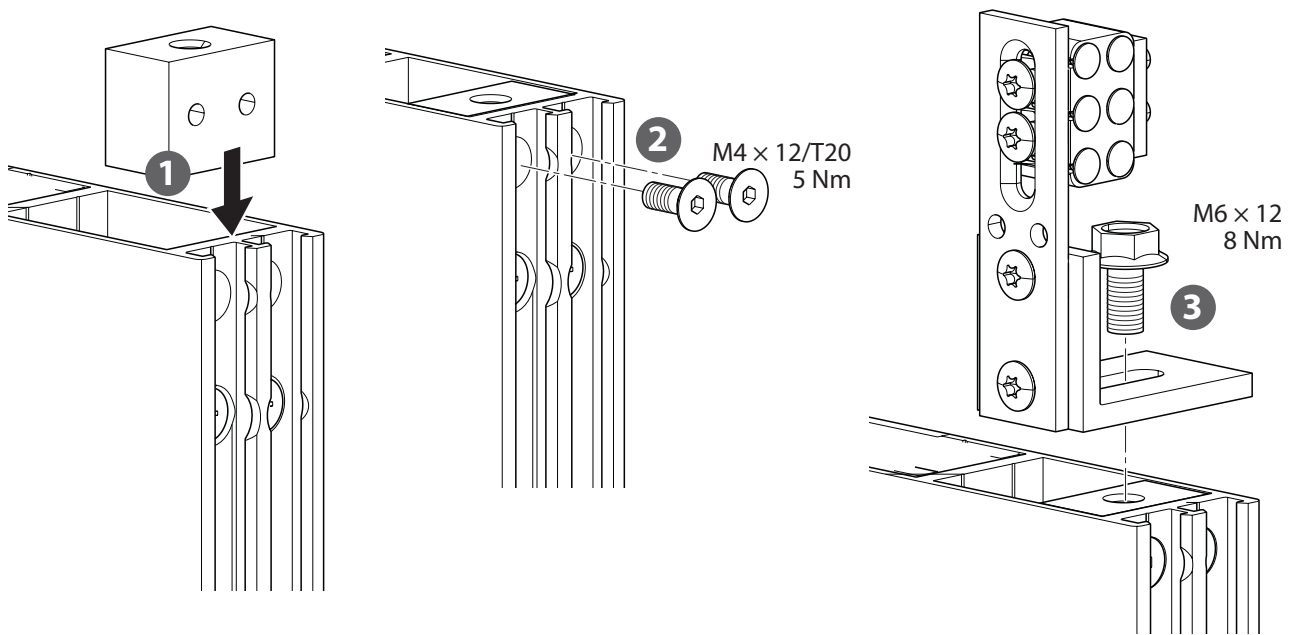


3.2.2 ECdrive T2, 1-leaf, left hand slide to open, 2-leaf

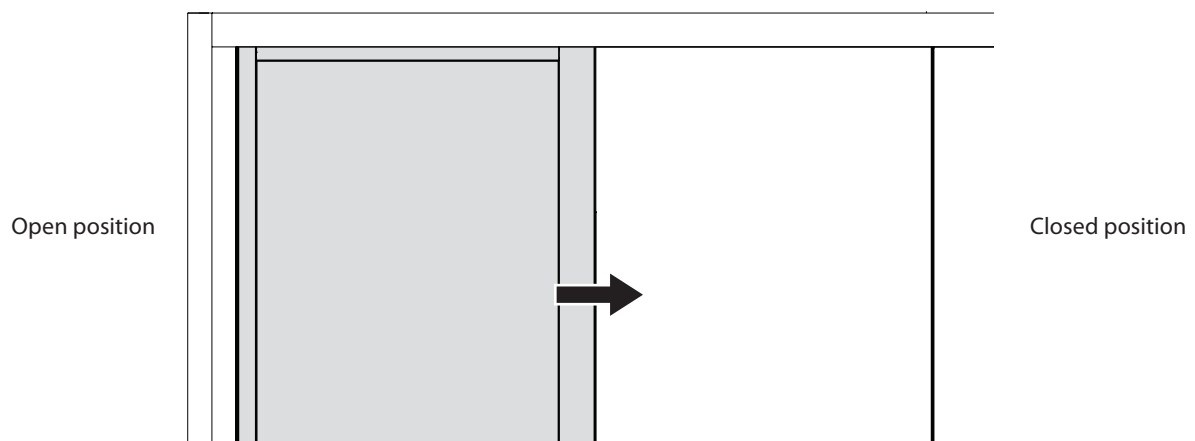
Installing the spring-mounted unit

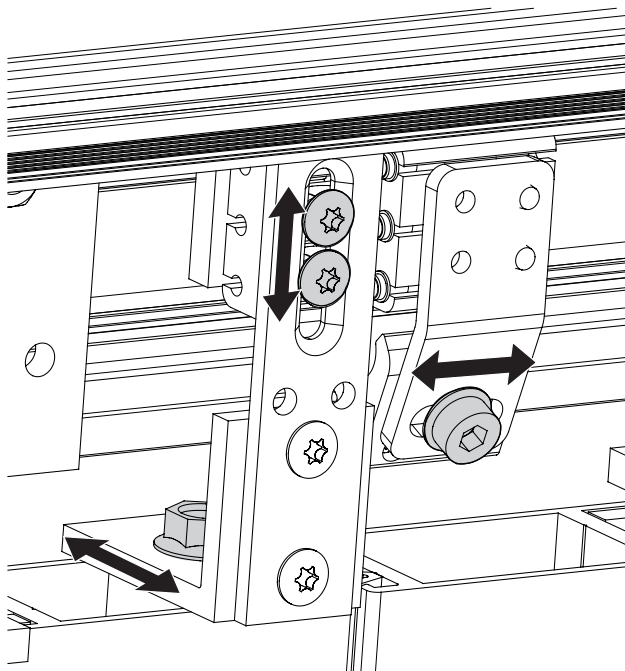
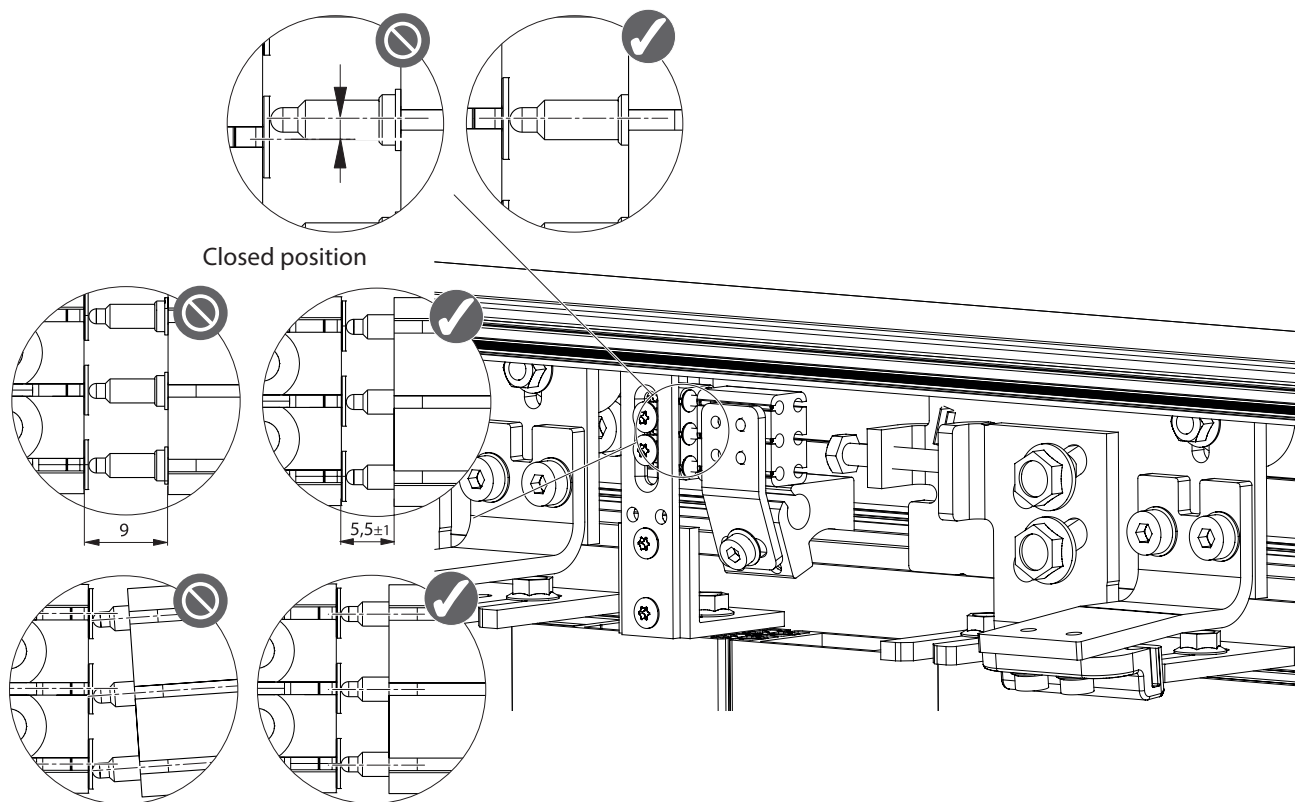
- Screw the spring-mounted unit (1) to the buffer (2).



Installing the unit without spring-mounting

► Move the moving leaf towards the closed position.



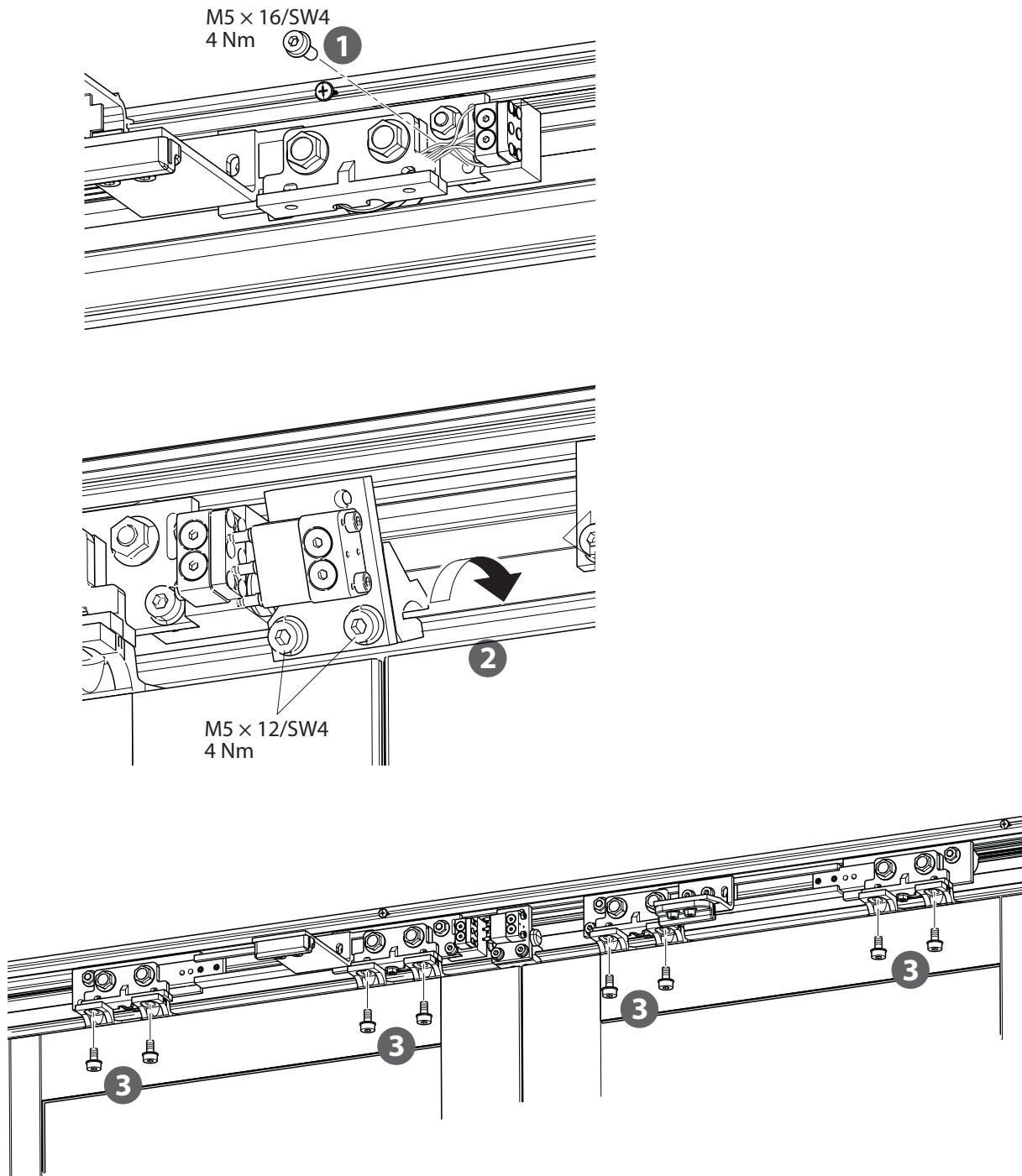


3.3 Installing the transmission unit with Slimdrive SL NT

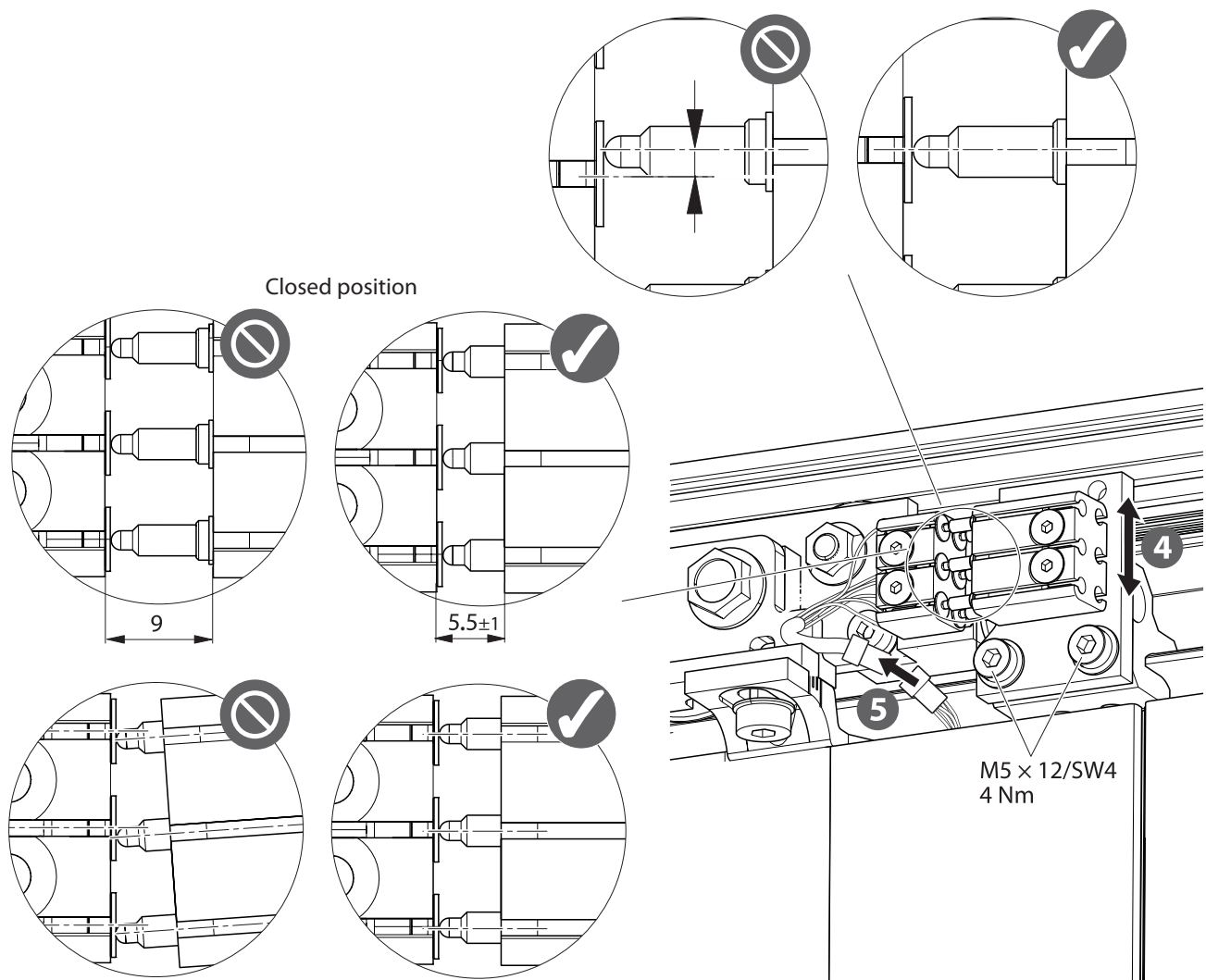


The illustrations below show the versions 2-leaf and 1-leaf left hand slide to open. Implementation of the 1-leaf right hand slide to open version is reversed accordingly.

Installing spring-mounted and non-spring-mounted unit

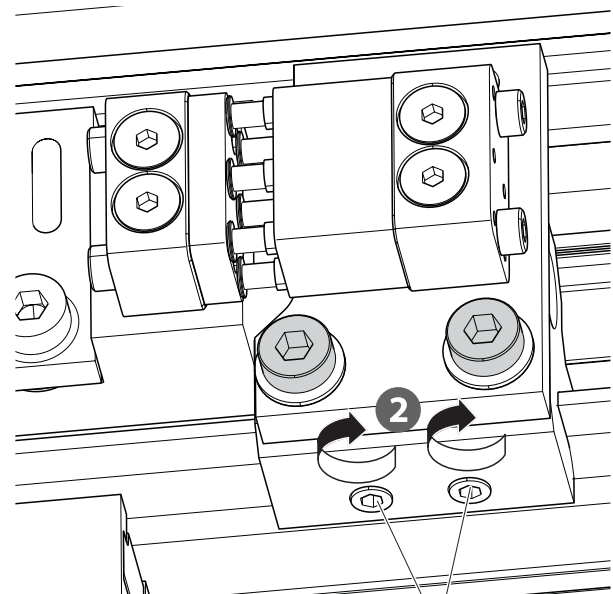
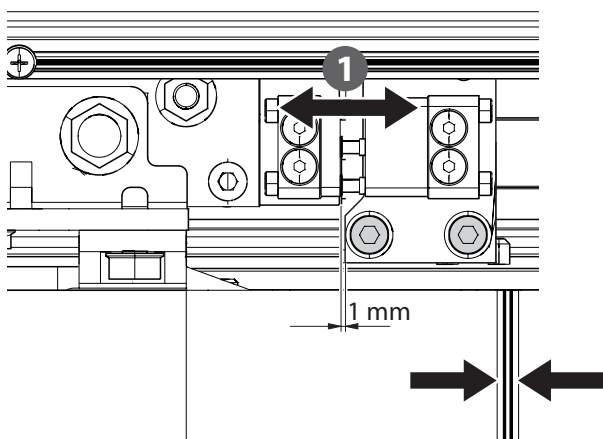


Adjust the position of the spring-mounted unit and set up the cable connection between the moving leaf and the transmission unit



- ▶ Fit the plug connection together **5**.
- ▶ Insert the plug connection downwards into the HSK profile.

Setting the stop buffer



M5 × 6/SW2.5
3 Nm

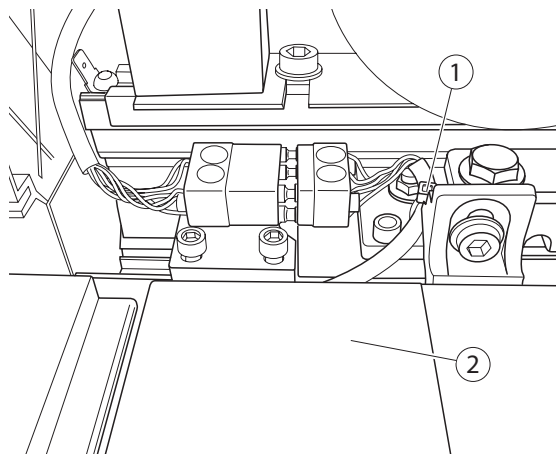
Fixing the cable

- Fix the cable using a cable tie (1).

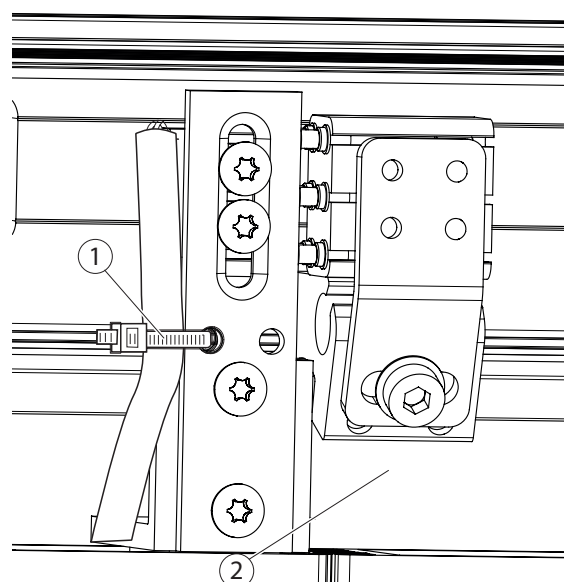


- Route the cables in such a way that they do not catch on or rub against moving parts.
- Insert the excess cable length and the plug connections in the side screen profile (2).

Slimdrive SL NT



ECdrive T2



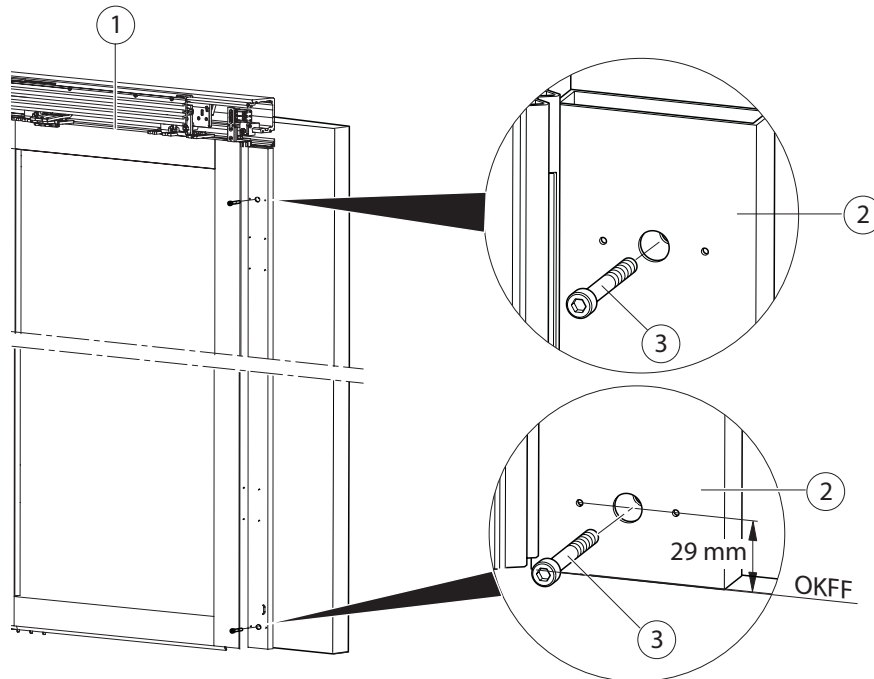
3.4 Post installation, 1-leaf

3.4.1 1-leaf system at a wall corner with or without side part

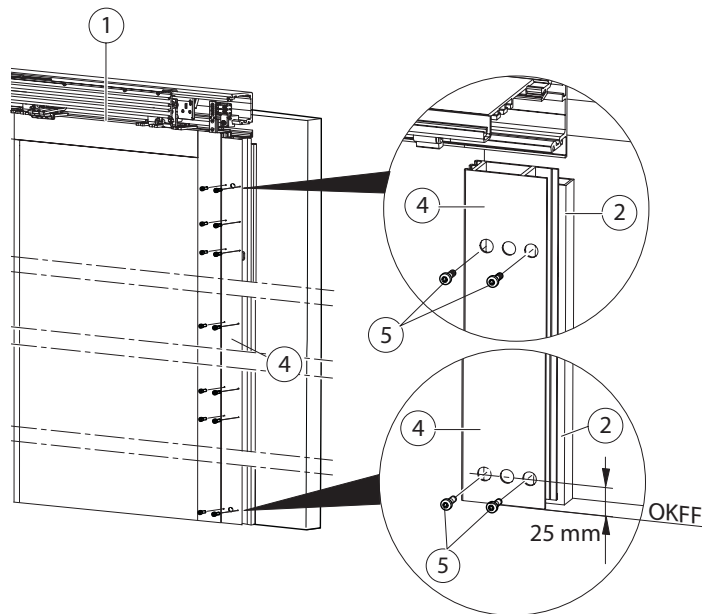
1-leaf left hand slide to open, without side part



The illustrations below show the version 1-leaf left hand slide to open without side part. Implementation of the 1-leaf right hand slide to open version is reversed accordingly.



- ▶ Adjust the position of the door leaf (1).
Heed safe distances to the light barrier profile/side panel and floor.
- ▶ Use 2 screws (3) to fix the square post (2) provisionally at the top and bottom.
- ▶ Shorten the square post (2) if necessary.

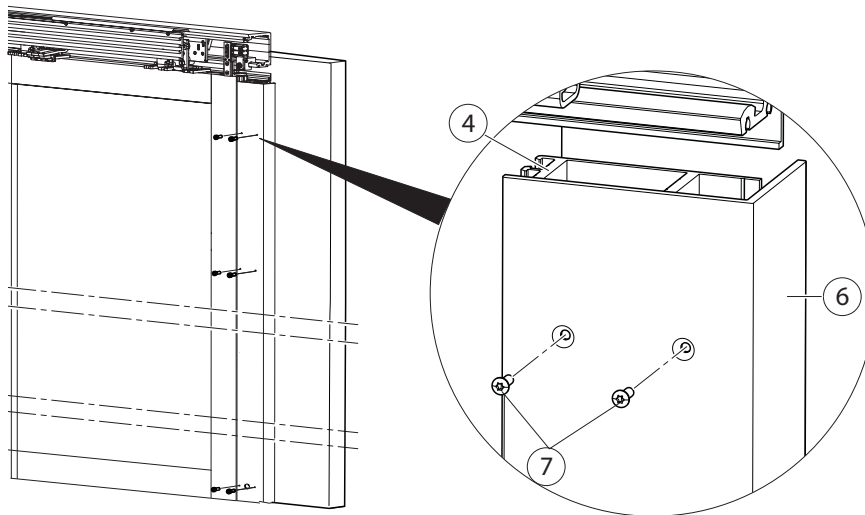


- ▶ Use 4 screws (5) to screw the side screen profile (4) provisionally to the square post at the top and bottom.
- ▶ Shorten the side screen profile (4) at the top if necessary.
- ▶ Adjust the position of the side screen profile (4) and square post (2) in relation to the door leaf, underlay towards the wall if necessary.



- The fixing and underlay material must be provided on site.

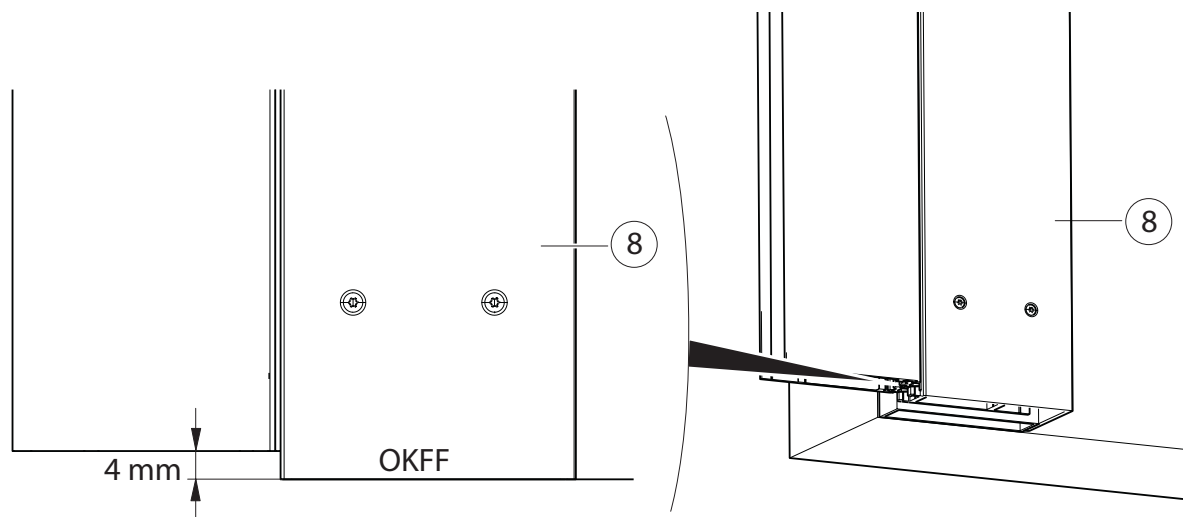
- ▶ Unscrew the side screen profile (4).
- ▶ Drill additional drill holes at a distance of ≤ 600 mm.
- ▶ Mount the square post (2) with screws (3) on the wall.
- ▶ Mount the side screen profile (4) with screws (5) on the square post (2).
- ▶ Adjust the vertical position in relation to the door leaf.



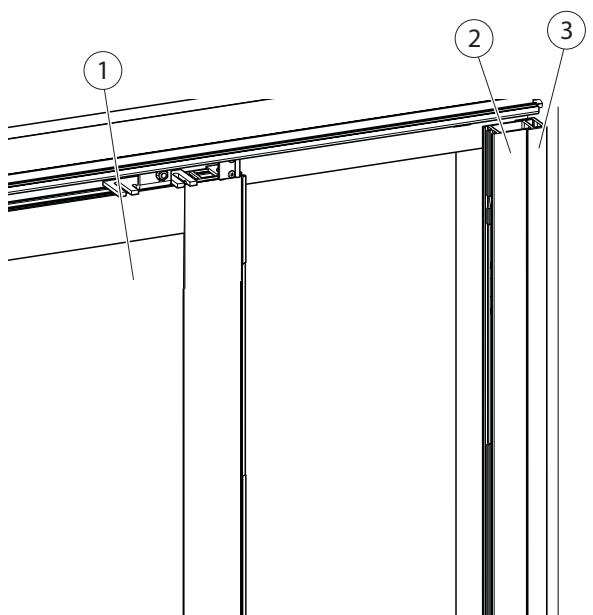
- ▶ Shorten the L-angle (6) if necessary.
- ▶ Adjust the position of the L-angle (6) as cover blind and mark drill holes.
- ▶ Drill the holes with a $\varnothing 2.8$ mm drill.
- ▶ Screw to the side screen profile (4) using screws (7).

Adjusting the height in relation to the door leaf

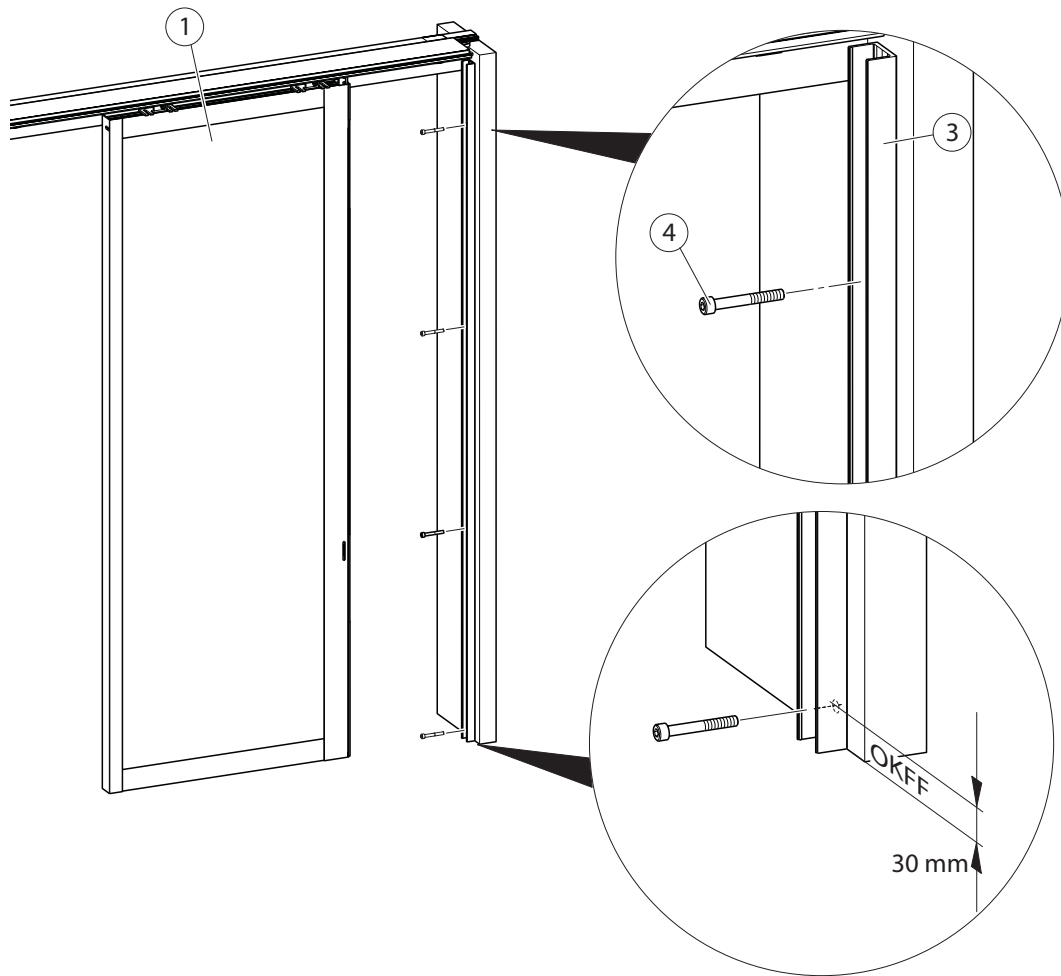
- ▶ Adjust the position of the lower edge of the side screen profile post to 4 mm below the side screen profile leaf (8)



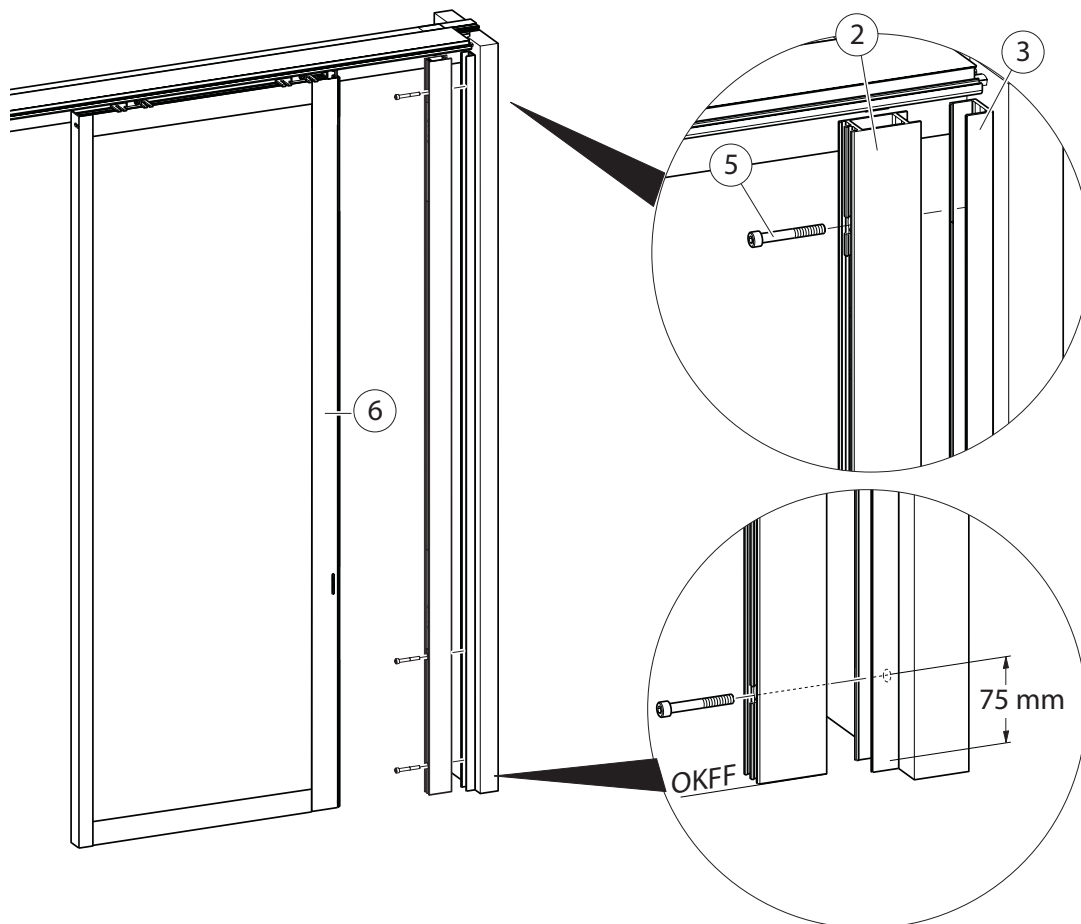
3.4.2 1-leaf system in front of a continuous wall, left or right hand slide to open



- ▶ Adjust the position of the door leaf (1).
Heed safe distances to the light barrier profile/side panel and floor.
- ▶ Adjust the position of the side screen profile (2) and wall rail (3) in relation to the door leaf (1) and mark on the wall.
- ▶ Shorten the wall rail (3) if necessary or lever out the side plate on the post side if necessary.



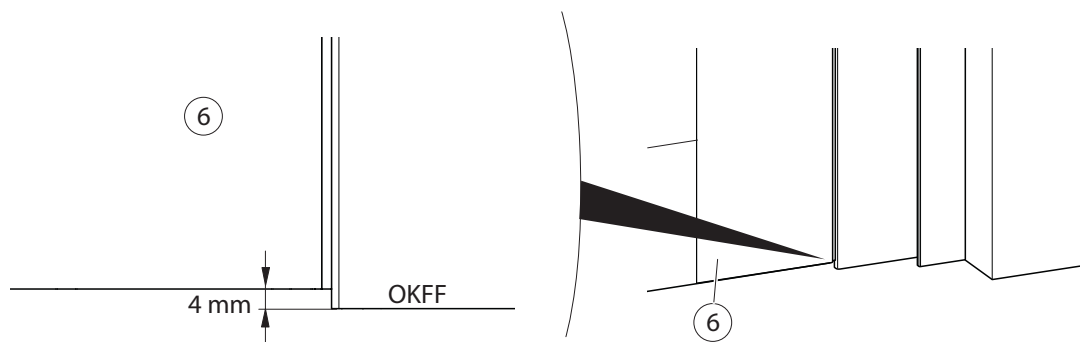
- Mount the wall profile (3) with screws (4) on the wall, underlay if necessary.



- Screw the side screen profile (2) with screws (5) through the wall profile (3) on the wall.

Adjusting the height in relation to the door leaf

- Adjust the position of the lower edge of the side screen profile post (2) to 4 mm below the side screen profile leaf (6)



3.5 Emergency activation

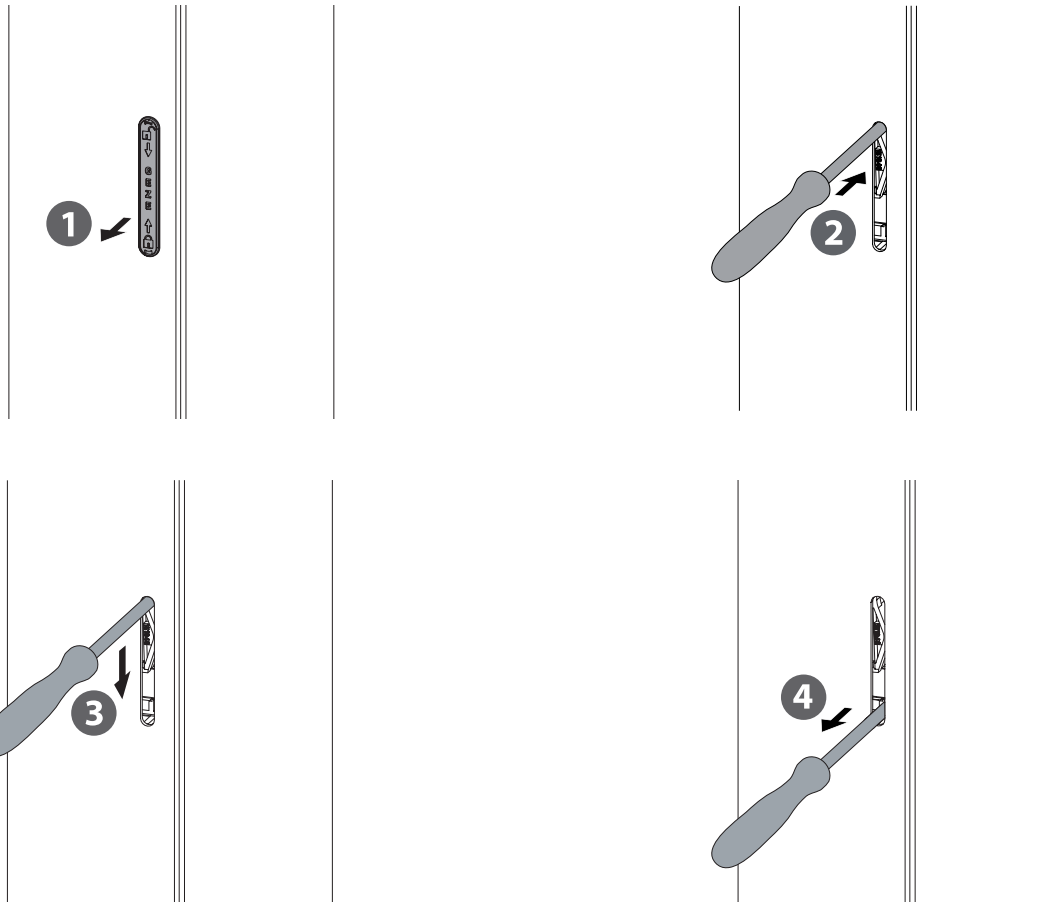
If electric locking/unlocking is not possible, Lock A can be locked/unlocked manually.

A tool with a diameter of approx. 5 mm e.g. a Pozidrive screwdriver PZ1 is required for emergency activation.

Manual unlocking of Lock A



► Only unlock Lock A manually if electric unlocking is not possible.



Fault 53 is displayed when the voltage supply has been restored.

► Set automatic mode of operation.

The fault is deleted.

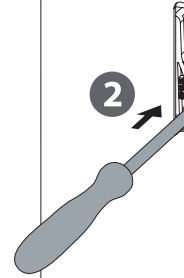
Manual locking of Lock A

- ! ▶ Only lock Lock A manually if electric locking is not possible.

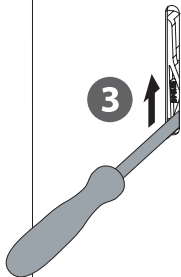
1



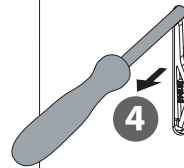
2



3



4



4 Service and maintenance

The following mandatory maintenance work must be carried out at least once a year by properly trained personnel. If there is a display programme switch, the service display lights up or flashes in the display.

- ▶ Service and maintenance should then be carried out promptly.

Testing facility	Action	Comments
Screws	▶ Check for tight fit	▶ Tighten the screws if necessary
Transmission unit	▶ Check setting	▶ Set transmission unit if necessary (see Page 13 or Page 18)
Locking mechanism	▶ Check manually for function and smooth running	▶ Replace components if necessary. ▶ Disassemble lock if necessary, check for soiling and damage
	▶ Check electric function	▶ Set transmission unit if necessary (see Page 13 or Page 18)
Cables	▶ Check for correct attachment and any damage	▶ Fasten or replace cables or transmission unit if necessary

5 Troubleshooting

Cause of fault	Remedy
Bolt drive does not move smoothly	▶ Check the door leaf/leaves.
	▶ Disassemble locking mechanism if necessary. ▫ Check for contamination and damage. ▫ Replace components if necessary.

Checking the door leaves

2-leaf:

- ▶ Set the door leaves to the same height.

1-leaf:

- ▶ Set the post in relation to the door leaf (see Page 23 or Page 25).
- ▶ Heed the clearances.

Fault messages on the control

For information on reading out the faults as well as their meaning see the wiring diagram.

Germany

GEZE GmbH
Niederlassung Süd-West
Tel. +49 (0) 7152 203 594
E-Mail: leonberg.de@geze.com

GEZE GmbH
Niederlassung Süd-Ost
Tel. +49 (0) 7152 203 6440
E-Mail: muenchen.de@geze.com

GEZE GmbH
Niederlassung Ost
Tel. +49 (0) 7152 203 6840
E-Mail: berlin.de@geze.com

GEZE GmbH
Niederlassung Mitte/Luxemburg
Tel. +49 (0) 7152 203 6888
E-Mail: frankfurt.de@geze.com

GEZE GmbH
Niederlassung West
Tel. +49 (0) 7152 203 6770
E-Mail: duesseldorf.de@geze.com

GEZE GmbH
Niederlassung Nord
Tel. +49 (0) 7152 203 6600
E-Mail: hamburg.de@geze.com

GEZE Service GmbH
Tel. +49 (0) 1802 923392
E-Mail: service-info.de@geze.com

Austria

GEZE Austria
E-Mail: austria.at@geze.com
www.geze.at

Benelux

GEZE Benelux B.V.
E-Mail: benelux.nl@geze.com
www.geze.be
www.geze.nl

Bulgaria

GEZE Bulgaria - Trade
E-Mail: office-bulgaria@geze.com
www.geze.bg

China

GEZE Industries (Tianjin) Co., Ltd.
E-Mail: chinasales@geze.com.cn
www.geze.com.cn

GEZE Industries (Tianjin) Co., Ltd.
Branch Office Shanghai
E-Mail: chinasales@geze.com.cn
www.geze.com.cn

GEZE Industries (Tianjin) Co., Ltd.
Branch Office Guangzhou
E-Mail: chinasales@geze.com.cn
www.geze.com.cn

GEZE Industries (Tianjin) Co., Ltd.
Branch Office Beijing
E-Mail: chinasales@geze.com.cn
www.geze.com.cn

France

GEZE France S.A.R.L.
E-Mail: france.fr@geze.com
www.geze.fr

Hungary

GEZE Hungary Kft.
E-Mail: office-hungary@geze.com
www.geze.hu

Iberia

GEZE Iberia S.R.L.
E-Mail: info.es@geze.com
www.geze.es

India

GEZE India Private Ltd.
E-Mail: office-india@geze.com
www.geze.in

Italy

GEZE Italia S.r.l. Unipersonale
E-Mail: italia.it@geze.com
www.geze.it

GEZE Engineering Roma S.r.l.
E-Mail: italia.it@geze.com
www.geze.it

Korea

GEZE Korea Ltd.
E-Mail: info.kr@geze.com
www.geze.com

Poland

GEZE Polska Sp.z o.o.
E-Mail: geze.pl@geze.com
www.geze.pl

Romania

GEZE Romania S.R.L.
E-Mail: office-romania@geze.com
www.geze.ro

Russia

OOO GEZE RUS
E-Mail: office-russia@geze.com
www.geze.ru

Scandinavia – Estonia

GEZE Scandinavia AB eesti filial
E-Mail: estonia@geze.com
www.geze.ee

Scandinavia – Finland

GEZE Scandinavia AB Filial Finland
E-Mail: finland@geze.com
www.geze.fi

Scandinavia – Latvia

GEZE Scandinavia AB Latvijas filiāle
E-Mail: latvia@geze.com
www.geze.lv

Scandinavia – Lithuania

GEZE Scandinavia AB Filial Lietu.
E-Mail: lithuania@geze.com
www.geze.lt

Scandinavia – Sweden

GEZE Scandinavia AB
E-Mail: sverige.se@geze.com
www.geze.se

Scandinavia – Norway

GEZE Scandinavia AB avd. Norge
E-Mail: norge.se@geze.com
www.geze.no

Scandinavia – Denmark

GEZE Danmark
E-Mail: danmark.se@geze.com
www.geze.dk

Singapore

GEZE (Asia Pacific) Pte, Ltd.
E-Mail: gezesea@geze.com.sg
www.geze.com

South Africa

GEZE South Africa (Pty) Ltd.
E-Mail: info@gezesa.co.za
www.geze.co.za

Switzerland

GEZE Schweiz AG
E-Mail: schweiz.ch@geze.com
www.geze.ch

Türkiye

GEZE Kapı ve Pencere Sistemleri
E-Mail: office-turkey@geze.com
www.geze.com

Ukraine

LLC GEZE Ukraine
E-Mail: office-ukraine@geze.com
www.geze.ua

United Arab Emirates/GCC

GEZE Middle East
E-Mail: gezeme@geze.com
www.geze.ae

United Kingdom

GEZE UK Ltd.
E-Mail: info.uk@geze.com
www.geze.com

GEZE GmbH

Reinhold-Vöster-Straße 21–29
71229 Leonberg
Germany

Tel.: 0049 7152 203 0
Fax.: 0049 7152 203 310
info@geze.com • www.geze.com

