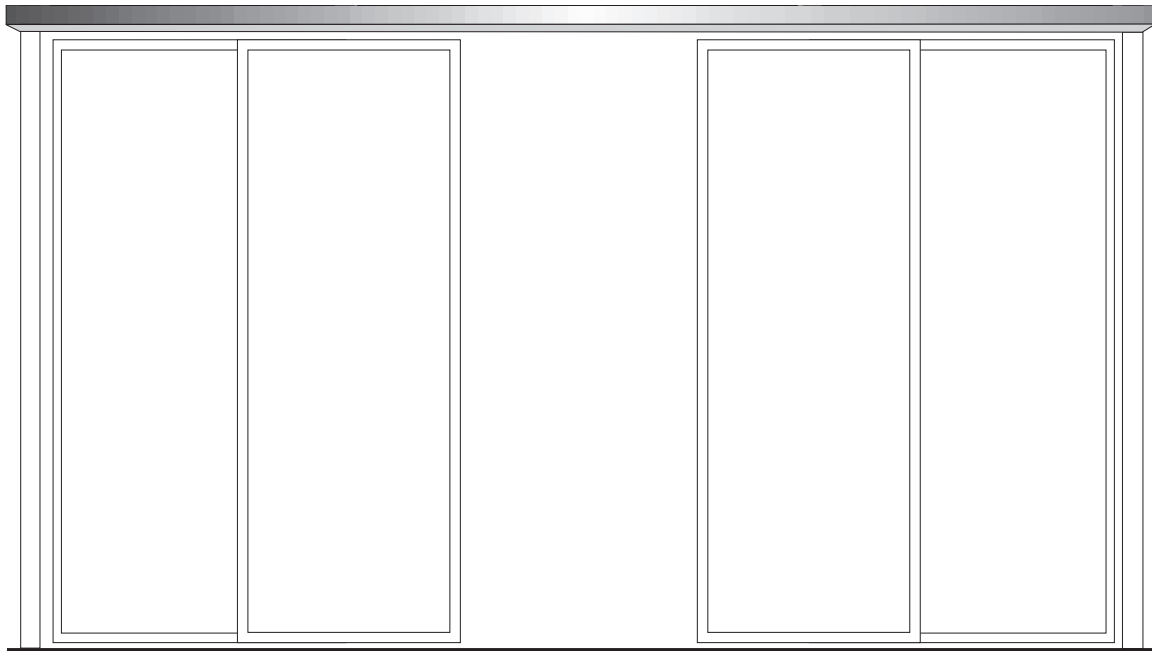




ECdrive H

EN Installation and service instructions

200281
2025-12_02



Contents

Symbols and illustrations.....	3
Revisions and validity.....	3
Product liability.....	3
Reference documents.....	3
1 General safety notes.....	4
1.1 Intended use.....	4
1.2 Safety notes.....	4
1.3 Safety-conscious working.....	5
1.4 Environmentally conscious working.....	5
1.5 Safety notes related to transportation and storage.....	5
1.6 Qualification.....	5
2 About this document.....	6
2.1 Overview.....	6
3 Overview.....	7
3.1 Diagrams.....	7
3.2 Tools and aids.....	7
3.3 Torques.....	7
3.4 Components and assembly groups.....	7
4 Installation.....	8
4.1 Preparations to be made on-site.....	8
4.2 Screw on the track.....	8
4.3 Mounting the floor guide.....	9
4.4 Installing the moving leaf.....	10
4.5 Mounting the drive components.....	14
4.6 Installing cable guides.....	16
4.7 Connect the transformer earthing.....	17
5 Production test and commissioning.....	18
5.1 Connecting the drive.....	18
5.2 Installing the drive cover.....	19
5.3 Mounting the safety devices.....	21
5.4 Installing operating elements/switches/push buttons.....	21
5.5 Commissioning the door system.....	21
5.6 Dismantling.....	21
6 Service and maintenance.....	22
6.1 Mechanical service.....	22
6.2 Maintenance.....	22
7 Troubleshooting.....	24
7.1 Mechanical faults.....	24
7.2 Electrical faults.....	25
8 Drive nameplate.....	26
9 Inspection of the installed door system.....	27
9.1 Protective measures to prevent and protect from hazardous areas.....	27
9.2 Assembly checklist ECdrive H.....	27

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
	DANGER	Danger to persons. Non-compliance will result in death or serious injuries.
	WARNING	Danger to persons. Non-compliance can result in death or serious injuries.
	CAUTION	Danger to persons. Non-compliance can result in minor 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 must do something. ▶ If there are several actions to be taken, keep to the given order.

Revisions and validity

Version 02: valid for ECdrive H from model year 2021 onwards.

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 linear sliding doors Door control DCU1-NT/DCU1-2M-NT
Additional wiring diagram	DCU1-NT-OP
User manual	Automatic sliding door systems
Faults and corrective measures	DCU1-NT/DCU1-2M-NT electronic drive for automatic sliding doors
Cable plan	Automatic sliding door systems
Safety analysis	Automatic sliding doors
Pre-installation instructions	ECdrive H

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

1 General safety notes

1.1 Intended use

The sliding door system is used for the automatic opening and closing of a building passage.

The sliding door system may only be used in a vertical installation position and in dry rooms within the permitted application area.

The sliding door system is designed for pedestrian traffic in buildings.

The sliding door system is not designed for the following uses:

- for industrial use
- for area of application which do not serve pedestrian traffic (such as garage doors)
- on mobile objects such as ships

The sliding door system may only be used:

- in the modes of operation provided for by GEZE
- with the components approved / released by GEZE
- with the software delivered by GEZE
- in the installation variants / types of installation documented by GEZE
- within the tested/approved area of application (climate / temperature / IP rating)

Any other use is considered improper and will lead to the cancellation of all liability and warranty claims against GEZE.

1.2 Safety notes

- Intervention and modifications which influence the safety technology and functionality of the sliding door system may only be carried out by GEZE.
- Problem-free and safe operation assumes proper transportation, proper set-up and installation, qualified operation and correct maintenance have taken place.
- The relevant accident prevention regulations and other generally recognised safety-related or health & safety rules must be kept.
- Only original accessories, original spare parts and accessories approved by GEZE guarantee problem-free function of the sliding door system.
- 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.
- Only original GEZE parts may be used for repair and maintenance work.
- Connection to the mains voltage must be carried out by a qualified electrician or a qualified electrician for specified tasks. Perform the mains connection and protective conductor test in accordance with VDE 0100 Part 600.
- Use an on-site automatic circuit-breaker as the line-side disconnecting device. Its dimensioning is matched to the type, cross-section, type of laying and ambient conditions of the on-site power supply circuit. The automatic cut-out must have at least 4 A and may have max. 16 A.
- Protect the display programme switch against unauthorised access.
- 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:
 - DIN 18650: "Powered pedestrian doors"
 - VDE 0100, Part 600: "Installation of low-voltage systems"
 - EN 16005 : "Power operated pedestrian doorsets; safety in use; Requirements and test methods"
 - DIN EN 60335-1 "Safety of electrical devices for home use and similar purposes - Part 1: General requirements"
 - EN 60335-2-103 : "Household and similar electrical appliances - Safety, Particular 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).
- Do not loosen screwed electric earthing connections.



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.
- Secure non-fixed components to prevent them 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 V mains and secure it against being switched back on again. Check isolation from power supply.
 - 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.
- Make sure of sufficient lighting.
- Use safety glass.
- 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 due to crushing, impact, shearing and drawing-in spots not being secured!
- Danger of injury due to glass breakage! Always only use safety glass.
- Danger of injury due to sharp edges on the drive and door leaf.
- Danger of injury during installation through freely moving parts!

1.4 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.

1.5 Safety notes related to transportation and storage

- The door system and its parts are not built for hard impact or for falling from a height.
 - ▶ Do not throw, do not drop.
- Storage temperatures below -30°C and above $+60^{\circ}\text{C}$ may cause damage to the device.
- Protect against humidity.
- Use special glass transport devices (e.g. A-frames) for transporting glass.
- Separate several panes on a frame or during storage using intermediate layers (e.g. cork pads, paper or plastic cords).
- Always store glass in a vertical position on level and load-bearing ground. Use suitable material as a support (e.g. wooden slats).
- In the case of insulating glass, make sure that it is placed flush across the entire element thickness on at least 2 supports.
- During storage and support, safety devices must not cause any damage to the glass or edge seal of ISO glass and must be attached flat on the glass pane surface.
- Dry, well ventilated, closed, weather-proof and UV-protected rooms are suitable as storage areas.

1.6 Qualification

Observe country-specific regulations!

Applicable in Germany:

Companies which carry out the pre-mounting of sliding door drives for escape routes must be approved as an extended production facility by the testing institute which issued the type approval certificate.

2 About this document

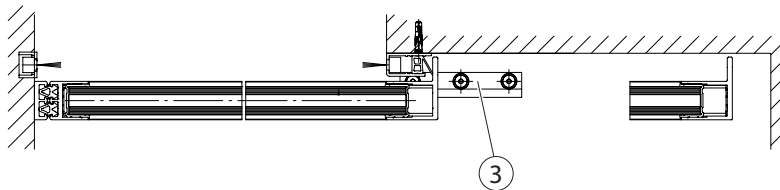
2.1 Overview

These instructions describe the assembly of the automatic sliding door system ECdrive H.

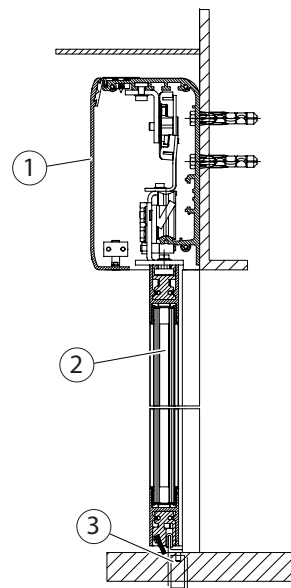
Wall mounting ECdrive H (front view)



View from above



View from the side



- 1 Drive of the sliding door system
- 2 Moving leaf
- 3 Floor guide

3 Overview

3.1 Diagrams

Drawing no.	Type	Name
70517-0-001	Drive drawing	ECdrive H, drives
70517-ep01	Installation plan	ECdrive H ISO glass fitting
70517-2-0224	Component drawing	Bespoke PL 200×40 cover ECdrive H
70517-2-0201	Component drawing	Track made to measure for ECdrive H
70715-1-0159	Component drawing	Continuous floor guide



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

3.2 Tools and aids

Tool	Size
Tape measure	
Marking pen	
Torque spanner	
Allen key	2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm
Open-ended spanner	8 mm, 10 mm, 13 mm, 15 mm
Screwdriver set	Floor guide slot up to 6 mm; Phillip's head PH2 and PH4
Side-cutting pliers	
Crimping pliers for cables	
Wire stripper	
Multimeter	
Display programme switch/service terminal ST220/myGEZE Connects	
Ring spanner	8 mm, 10 mm
Pin punch	4 mm

3.3 Torques

The torques are given at the respective installation step.

3.4 Components and assembly groups

See installation plan drawing for the desired installation situation and drive drawing.

4 Installation



WARNING!

Risk of fatal injury due to electric shock!

- ▶ Do not loosen screwed, electric earthing connections.



- ▶ Secure workplace against unauthorised entry.
- ▶ Always work with a second person.
- ▶ Use a stepladder or stepstool with test seal.
- ▶ Keep inside area of track clean.

4.1 Preparations to be made on-site



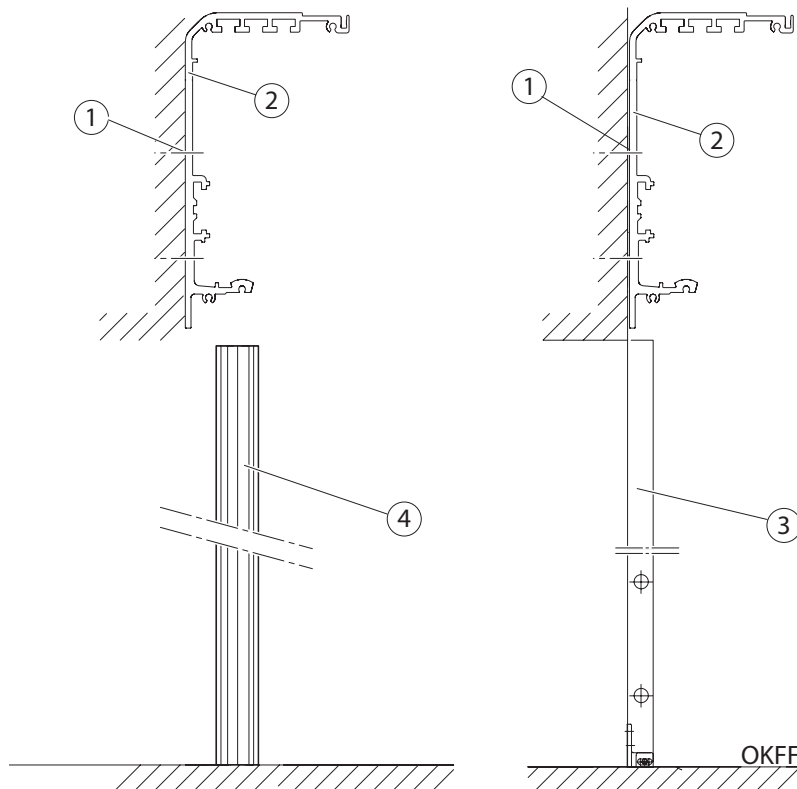
- ▶ Check the preparations made on-site by the customer to ensure proper installation:
 - Type and load capacity of the façade construction or suspending frame
 - Flatness of the installation surface
 - Flatness of the finished floor level
 - Cable plan requirements

4.2 Screw on the track



- ▶ Protect the running surface from damage.

View from the side

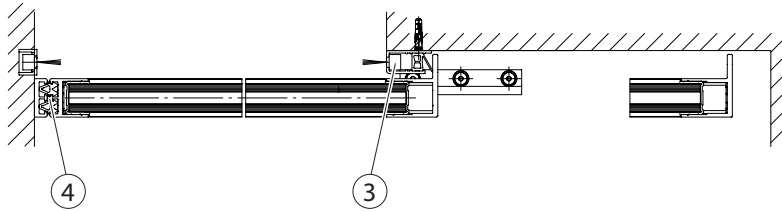


- ▶ Determine the installation height of the track (2).
Take unevenness of wall and floor into account.
- ▶ Align the track horizontally.
- ▶ Mark the fastening drill holes (1).
- ▶ Remove the track.
- ▶ Drill the holes (1) for fixing.
- ▶ Screw the track (2) in place.
- ▶ Install the sealing profiles (3).
- ▶ Press rubber seal into the draught sealing profiles.

With 1-leaf door systems:

- Install the wall strips (4).

View from above



4.3 Mounting the floor guide



- The selection of floor guide depends on the on-site conditions. One of the following floor guide options must be used.
- For further information see the respective installation drawing, Chapter 3.1.

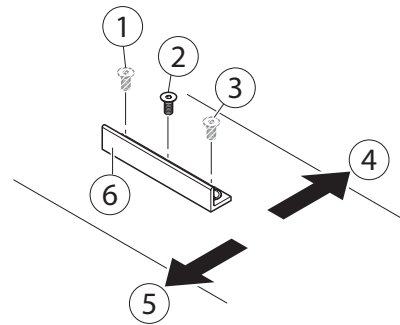
4.3.1 Fitting angled floor guide for floor mounting (Option)

Angled floor guide with moving leaf left hand slide to open

- Screw the angled floor guide (6) in place using 2 suitable countersunk screws (1) and (2).

Angled floor guide with moving leaf right hand slide to open

- Screw the angled floor guide (6) in place using 2 suitable countersunk screws (3) and (2).



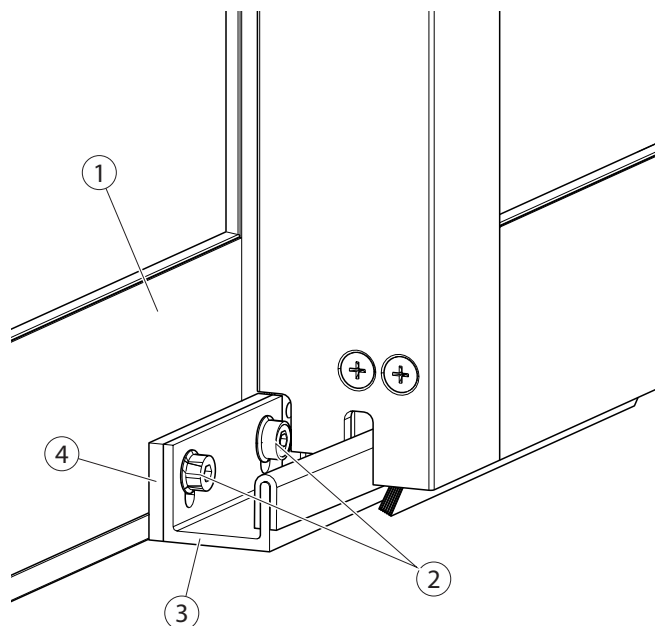
- 1 Countersunk screw for moving leaf left hand slide to open
- 2 Countersunk screw
- 3 Countersunk screw for moving leaf right hand slide to open
- 4 outside
- 5 inside
- 6 Angled floor guide

4.3.2 Angled floor guide, wall mounting (Option)

- Screw the floor guide (3) to the side screen (1) using two screws (2), if necessary via a spacer plate (4) (torque 5 Nm).
- If there is no side screen, assemble the floor guide to the wall using suitable attachment material.

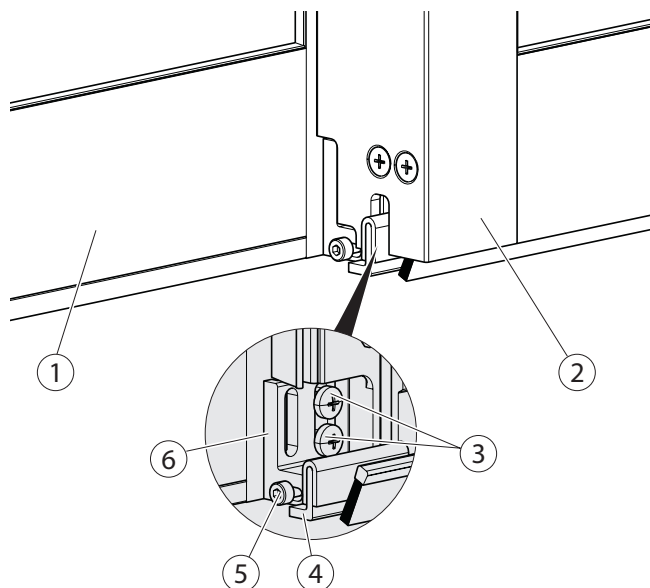


The spacer plate (4) is available separately.



4.3.3 Adjustable angled floor guide for wall mounting (Option)

- ▶ Screw the fixing bracket (2) to the fixed panel (1) using two screws (5) (torque 5 Nm).
- ▶ Align the moving leaf (6) and thus the adjusting angle (4) and tighten the screw (3) (torque 3 Nm).
- ▶ If there is no fixed panel available, mount the floor guide on the wall using suitable attachment material.



4.3.4 Continuous floor guide (Option)



- See the component drawing "Continuous floor guide" on how to install the continuous floor guide.
- For further information see the respective installation diagrams, Chapter 3.1.

4.4 Installing the moving leaf



WARNING!

Danger of injury caused by door leaves falling over
The door leaves are very heavy.

- ▶ At least 2 people should work together to set up the door leaves.



WARNING!

Danger of injury caused by crushing!
The door leaves are still unsecured and move easily.

- ▶ Make sure that the door leaves are not moved accidentally or by unauthorised persons.

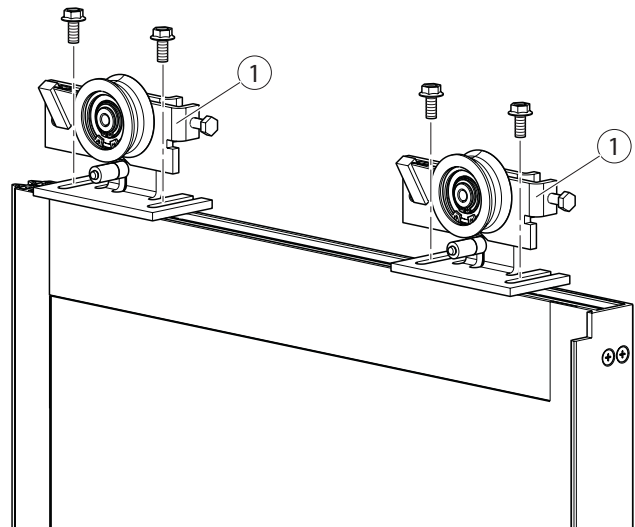


- ▶ Clean track

4.4.1 Assembling a single roller carriage on a door leaf

Assembling a single roller carriage on a door leaf

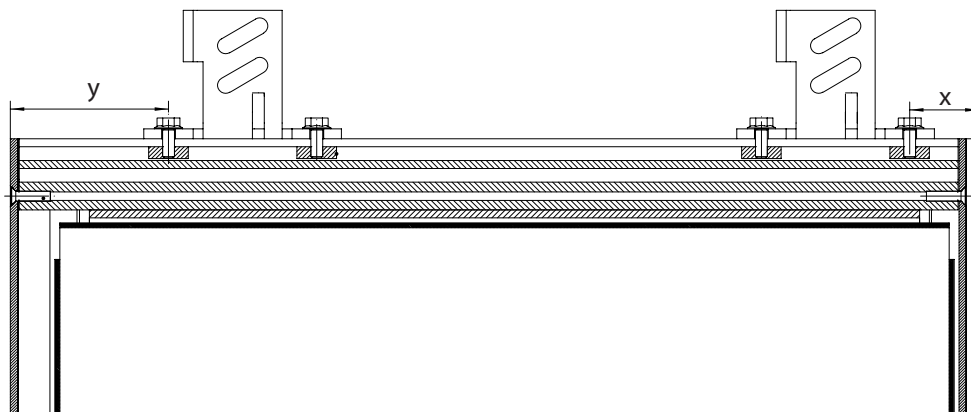
- Screw the roller carriage (1) onto the door leaf.



- Position the single roller carriage in the suspension profile and fix in place.

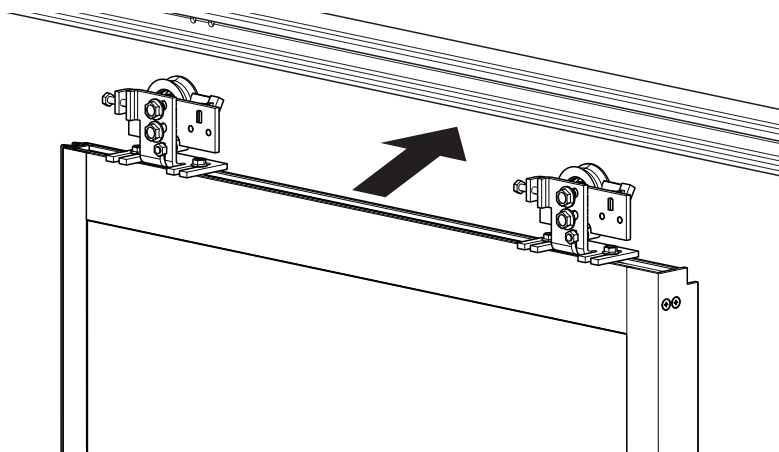


- See the leaf installation drawing for the position of the support bracket.



Fitting the door leaf with single roller carriage

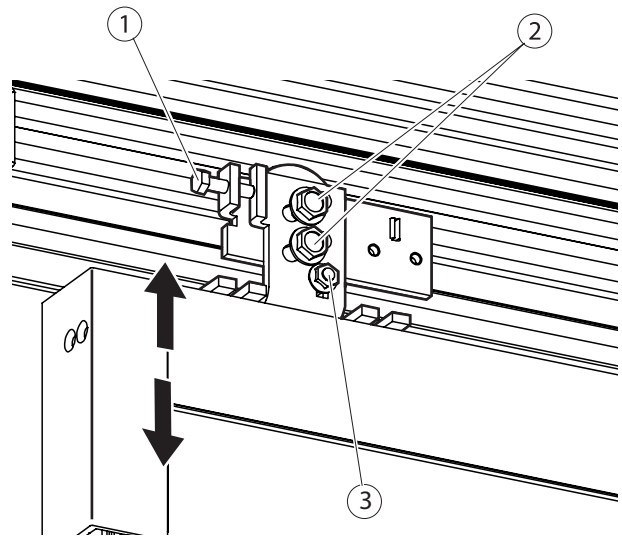
Setting up door leaves:



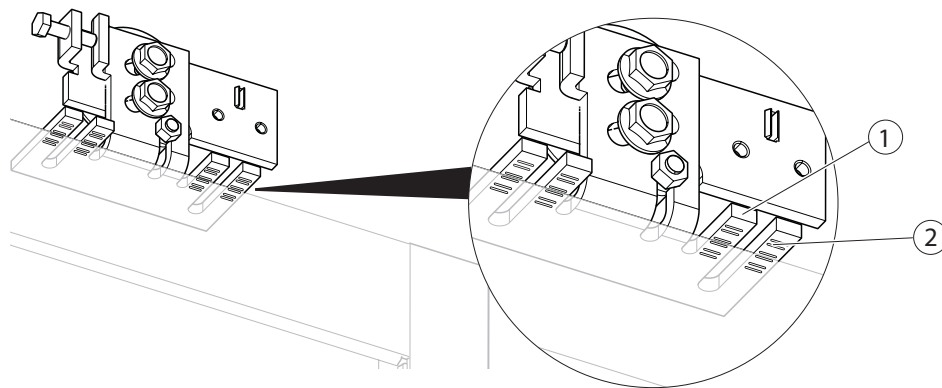
Aligning the door leaves:

- ▶ Suspend the roller carriages in the track.
- ▶ Adjust the height of the door leaf with the screw (1).
- ▶ Tighten screws (2) after adjusting the door leaf (torque 30 Nm).
- ▶ Mount the fastening bolt (3) and adjust height (torque 11 Nm).

Gap between locking bolt and track ≈ 0.5 mm
(corresponds to approx. 4 sheets of copy paper).



There are markings (2) on the support brackets (1) to make it easier to align the roller carriage on the door leaf. This means all roller carriages can be set the same without measurement.



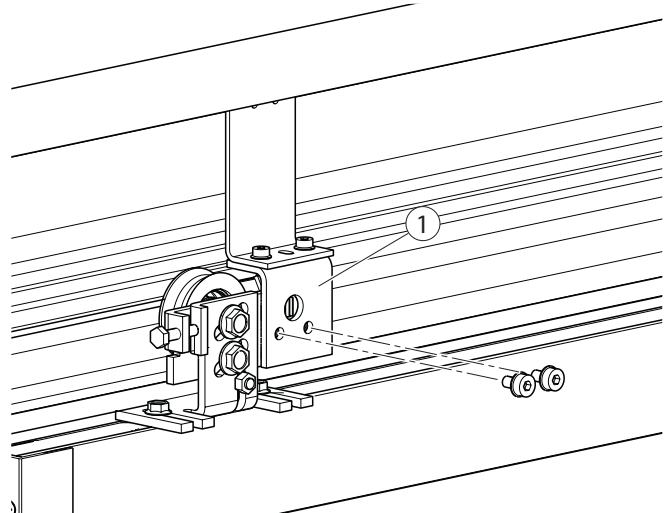
4.4.2 Installing the driver



- Drivers must not touch any obstacle over the entire travel path.
- See the drive drawing for the precise position of the driver.

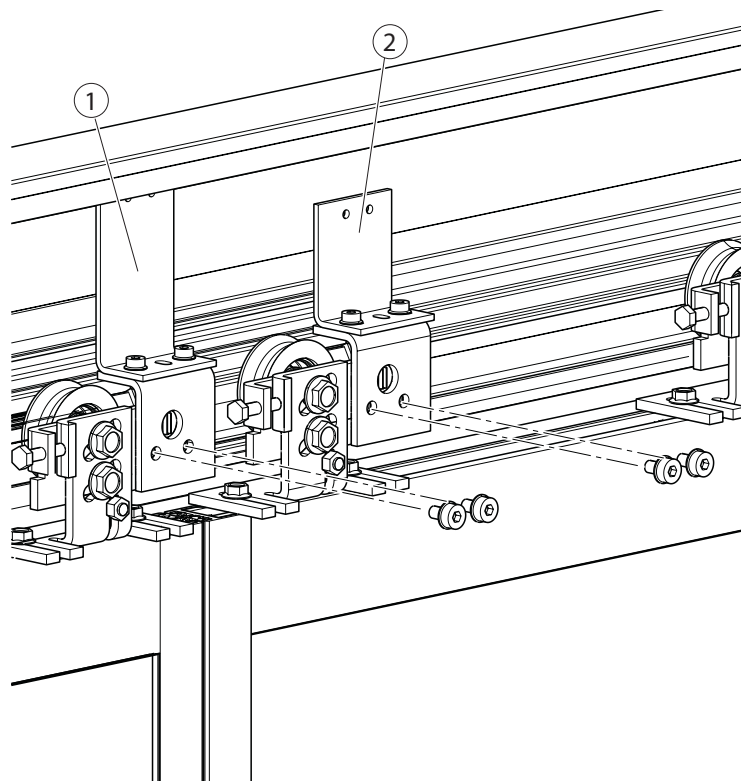
1-leaf

- Screw the driver (1) onto the roller carriage using 2 screws (torque 5 Nm).



Double leaf

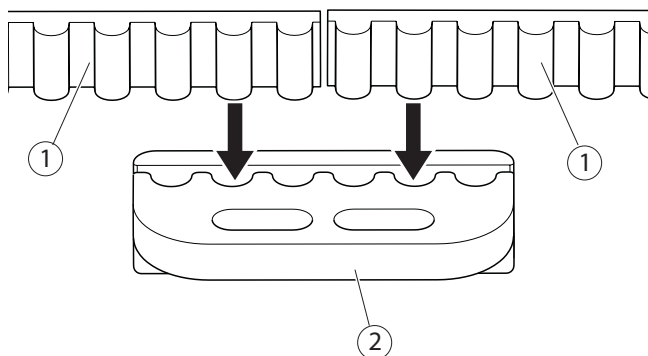
- Screw the long driver (1) and short driver (2) to the roller carriage using 2 screws each (torque 5 Nm).



4.5 Mounting the drive components

4.5.1 Fitting the toothed belt

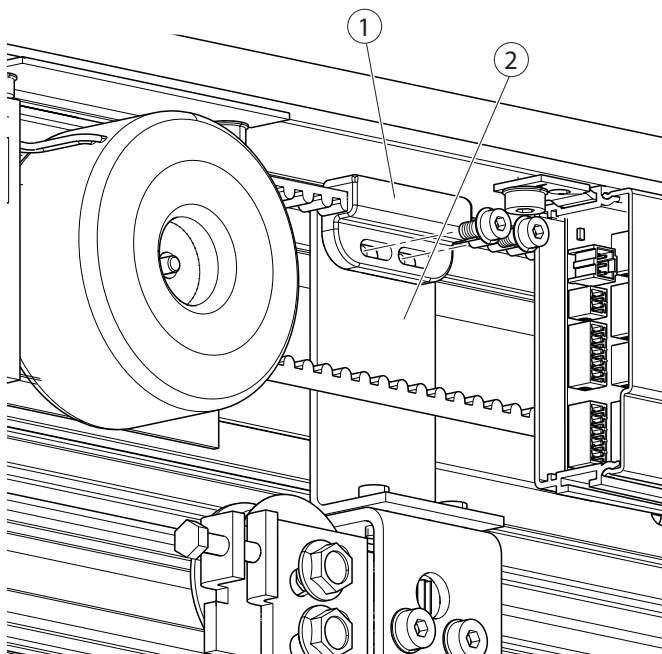
- ▶ Cut the toothed belt (1) to length and close it with the toothed belt coupler (2) for short driver.
- ▶ Place the toothed belt on the motor pulley and deflection pulley.



4.5.2 Fitting the toothed belt to the driver

1-leaf

- ▶ Screw the toothed belt coupler (1) onto the driver (2) (torque 5 Nm).

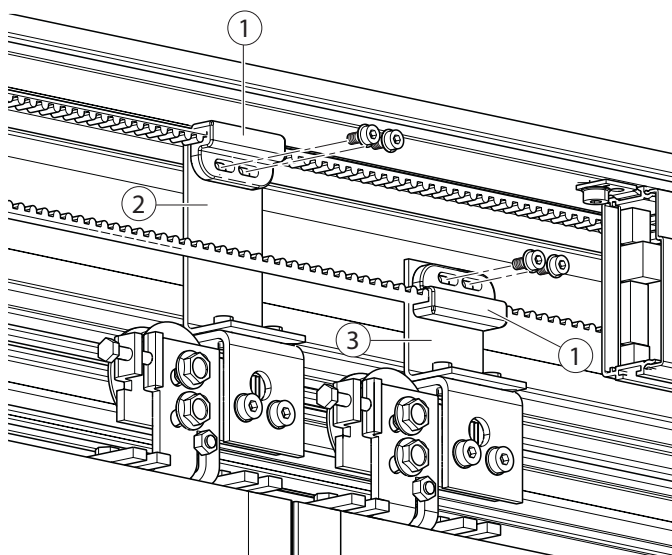


Double leaf



- ▶ Do not tighten the screws yet.

- ▶ Screw the toothed belt coupler (1) onto the long driver (2).
- ▶ Screw the toothed belt locking (1) to the short driver (3).

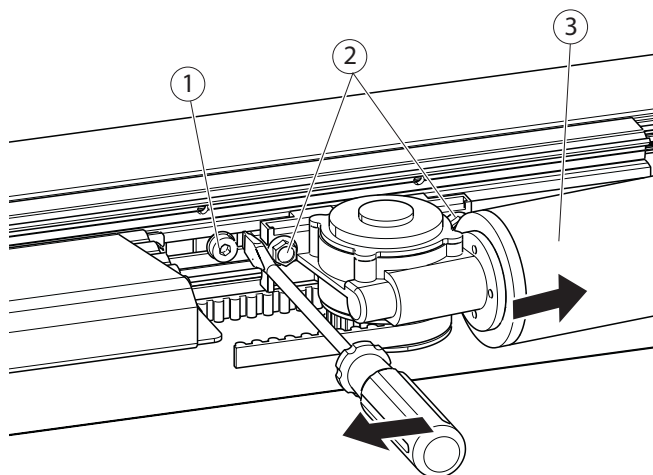


4.5.3 Tensioning the toothed belt

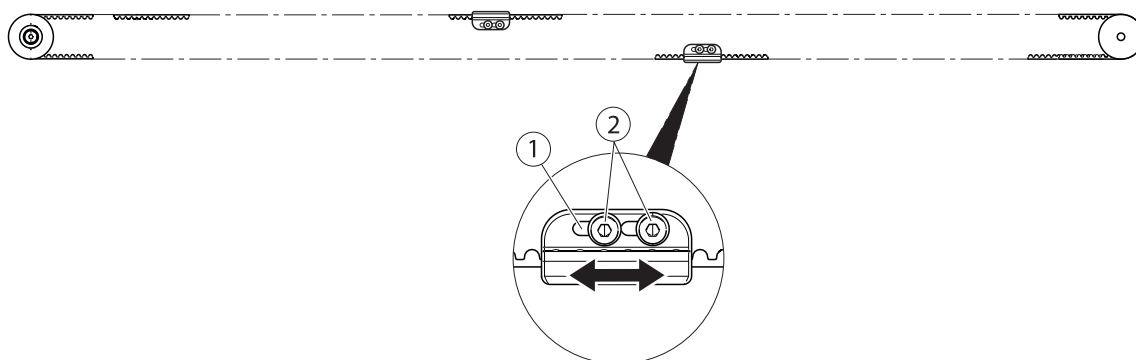


- ▶ The toothed belt must be pre-tensioned with $300\text{ N} \pm 35\text{ N}$ (see drive drawing).

- ▶ Undo 2 screws (2).
- ▶ Slide the motor gear unit (3) to the right by hand.
- ▶ Undo the screw (1) and move the sliding block in such a way that a screwdriver can be pushed between the sliding block and the motor gear unit.
- ▶ Tighten the screw (1) (torque 10 Nm).
- ▶ Push the screwdriver into the gap and lever it until the toothed belt is tensioned.
- ▶ Tighten 2 screws (2) (torque 15 Nm).



4.5.4 Setting the closing position

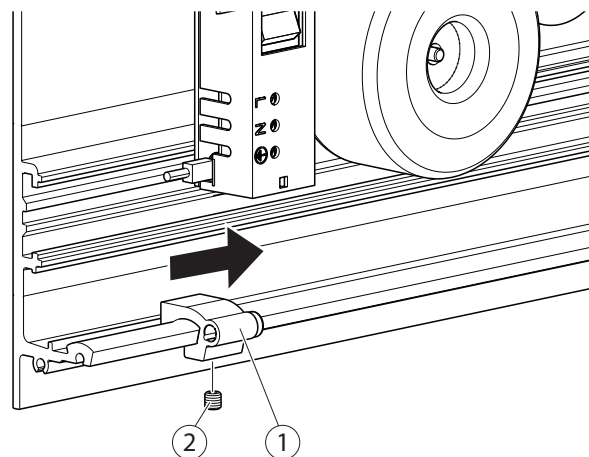


For 2-leaf door systems:

- ▶ Slide the moving leaf to the closed position.
- ▶ Fit second belt lock, do not tighten the screws (2) yet.
- ▶ Use the oblong holes (1) to finely adjust the position in the direction of displacement.
- ▶ Tighten the screws (2) when the exact closing position has been set (torque 5 Nm).

4.5.5 Setting the stop buffer

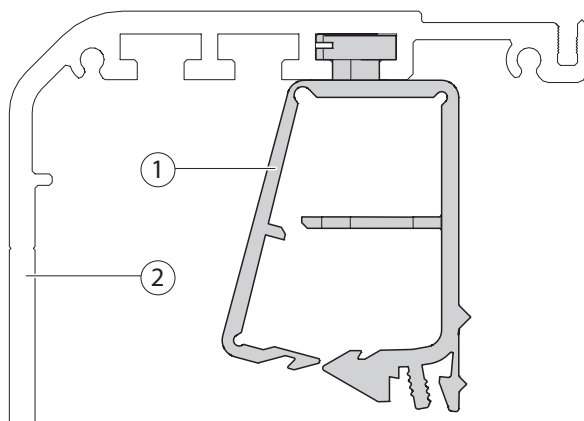
- ▶ Undo the setscrew (2) on the stop buffer (1).
- ▶ Slide the moving leaf to the open position.
- ▶ Slide the stop buffer on the roller carriages.
- ▶ Tighten the setscrew (2) using the Allen key (torque 3 Nm).



4.6 Installing cable guides

**Cables can be cut!**

- ▶ Lay the cables so that there are no cables in the area of moving parts.
Cable guide spacing approx. 200 mm.



- ▶ Fix the cable guide (1) on the track (2).

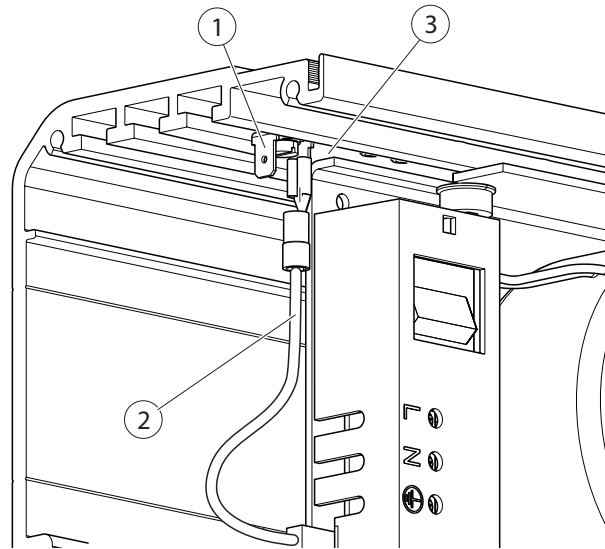
4.7 Connect the transformer earthing



The track is not earthed if there is a poor connection between earthing jumper (3) and track.

- Check whether the set screws of the earthing connectors (3) pierce the anodised layer of the track.

- Connect the earthing cable (2) from the transformer to the device flat plug (1).



5 Production test and commissioning

5.1 Connecting the drive

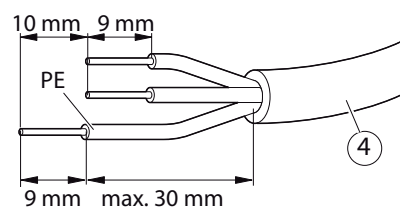
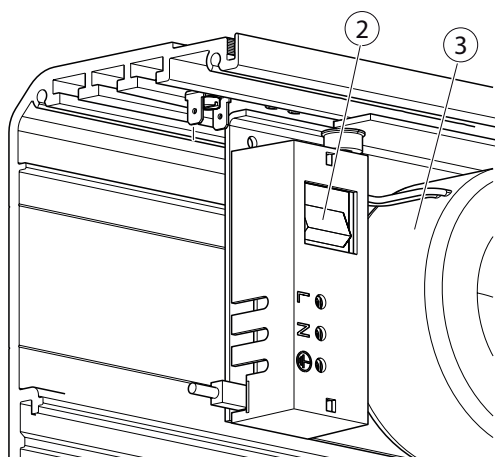


WARNING!

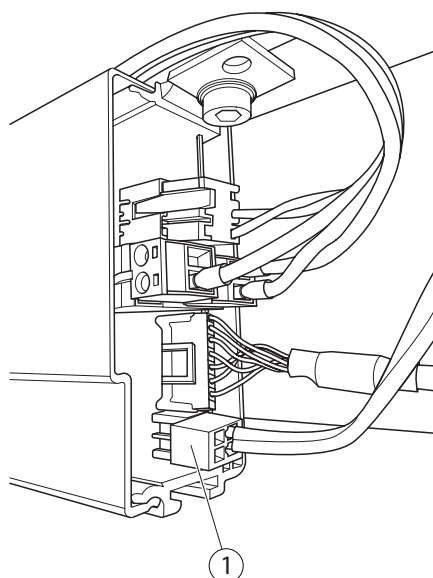
Risk of fatal injury due to electric shock!

- ▶ The electrical system (230 V) may only be connected and disconnected by a professional electrician.
- ▶ Carry out mains connection and earth conductor test in accordance with VDE 0100 Part 600.

- ▶ Strip insulation from the power supply circuit (4) max. 40 mm.



- ▶ Strip the mains cable (4).
 - Insulation stripping length 40 mm
 - Stripping length 9 mm
 - PE line lead 10 mm
- ▶ Connect the drive to the 230 V mains network.
- ▶ Switch the main switch (2) on at the transformer (3).
- ▶ Insert the rechargeable battery connector (1) at the control unit.



- ▶ Carry out the production test as described in the wiring diagram "Automatic sliding doors DCU1-NT/DCU1-2M-NT".

5.2 Installing the drive cover



WARNING!

Danger of injury!

People can be injured when the drive cover is pivoted.

- ▶ Always make sure two people handle the drive cover.



WARNING!

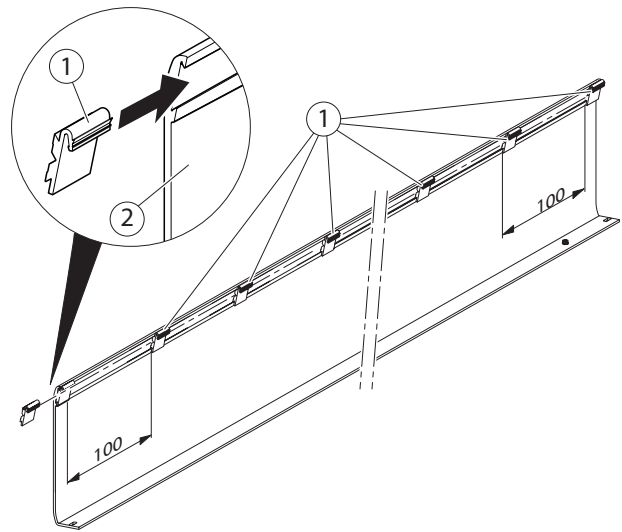
Danger of injury from falling cover!

▶ Make sure that the cover is attached along the entire length of the track.

▶ Let go of the drive cover carefully and check whether it has been hooked in safely.

5.2.1 Mounting the cover fixing

- Regardless of the drive length, one cover fixing (1) must be assembled at each end of the cover, and another must be assembled at a distance of 100 mm.
- A total of seven cover fixings must be assembled for drive lengths up to 3000 mm.
- A total of ten cover fixings must be assembled for drive lengths of 3000 mm or more.

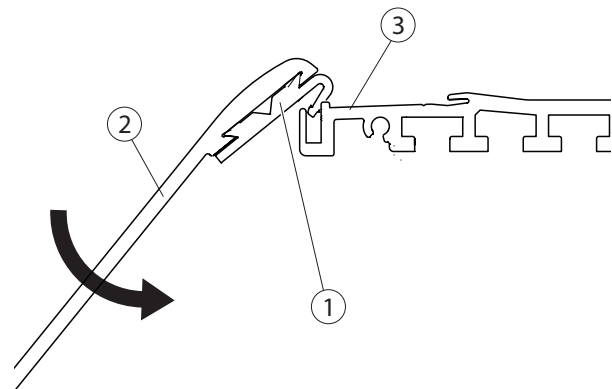


5.2.2 Attaching the cover

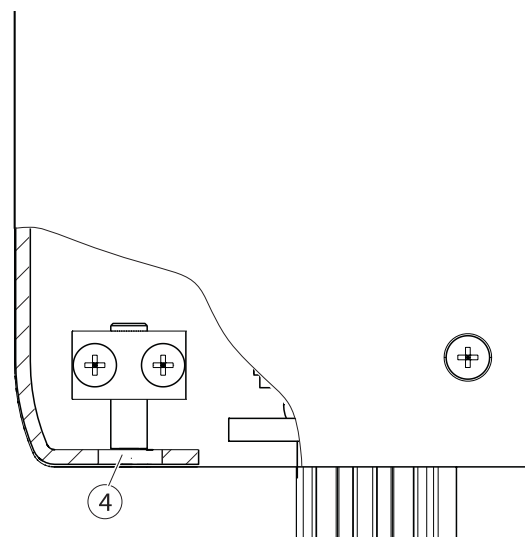
- ▶ Hook the cover (2) with cover fixing (1) on the track (3).



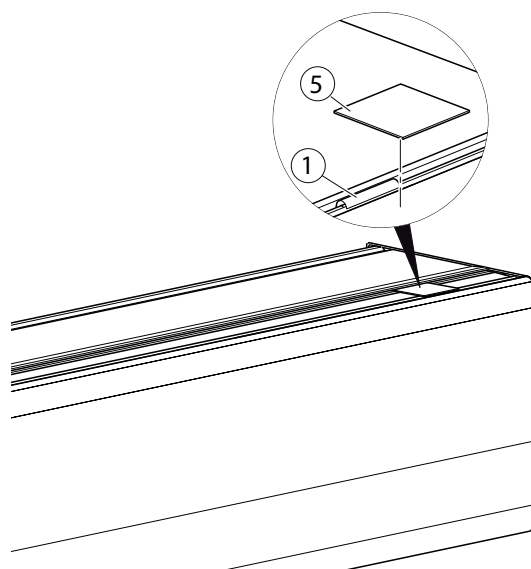
When opening, the cover must not be turned upwards more than 90°. See Chapter 7.1.1 on how to remove the cover.



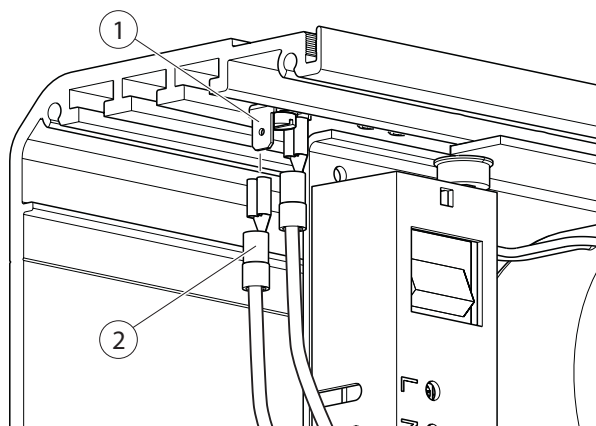
- Swivel the cover downwards and screw it into the set screws (4).



- Place leaf springs (5) on the outside of the cover fixings (1): one leaf spring on each of the two outermost cover fixings.



5.2.3 Connecting cover earthing



- Connect the grounding wire (2) of the cover to the second plug connection of the device flat plug (1).

5.3 Mounting the safety devices



For information about connection and parameter setting of the safety sensors, and the inputs and outputs and on commissioning, please refer to the wiring diagram.

- ▶ Install safety and activation equipment.
 - ▶ Route cables properly in cable ducts.
- For electrical installation, see wiring diagram.

5.4 Installing operating elements/switches/push buttons

For electrical installation, see wiring diagram.



- ▶ Install the operating elements in such a way that users cannot stand in hazardous areas.

5.5 Commissioning the door system



For information about connection and parameter setting of the safety sensors, and the inputs and outputs and on commissioning, please refer to the wiring diagram.

5.5.1 Creating log book

- ▶ Carry out a safety analysis.
- ▶ Record installed options in the safety analysis for the operator.

5.6 Dismantling



WARNING!

Danger of injury!

People can be injured when the drive cover is pivoted.

- ▶ If the cover is more than 4 m long, always work in pairs when handling the cover.



CAUTION!

Danger of injury due to impact and crushing!

- ▶ Secure the moving leaves against unintentional movement.
- ▶ Disconnect the rechargeable battery.

Dismantling is done in the reverse order of installation.

6 Service and maintenance

6.1 Mechanical service

6.1.1 Removing the cover

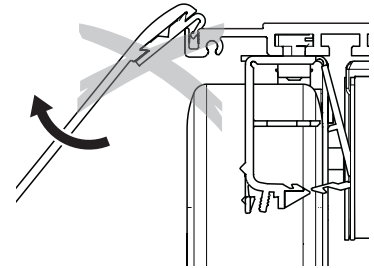


Before opening the cover, check the following:

- Are the leaf springs and cover fixings correctly positioned (see sections 5.2.1 and 5.2.2)?
- Do the cover fixings look correct (see also chapter 6.2)?

The cover can be opened upwards to a maximum of 90° for minor maintenance work.

The cover must be removed for major maintenance work.



- ▶ Remove the leaf springs (5, chapter 5.2.2) via the cover fixings.
- ▶ Loosen the set screws (cover retainer) (4, chapter 5.2.2) and swing the cover open until it can be removed.
- ▶ Press the cover upwards out of the track.
- ▶ Disconnect the earthing cable and sensors.
- ▶ Place the cover securely on the track or floor.



- ▶ Protect the decorative surface from scratches using suitable measures.

6.1.2 Checking tooth belt tension

The tooth belt must not lift up from the motor gear or skip when braking and accelerating.

- ▶ If the tooth belt lifts or skips, set the tooth belt tension to $300 \text{ N} \pm 35 \text{ N}$.

6.1.3 Tensioning the toothed belt

See chapter 4.5.3.

6.2 Maintenance



CAUTION!

Danger of injury due to impact and crushing!

- ▶ Secure door leaves against accidental movement.
- ▶ Disconnect rechargeable battery.
- ▶ Disconnect mains voltage.



- Only genuine spare parts may be used.
- To ensure the functional ability, the wear parts of the sliding door system must be checked at every maintenance and replaced if necessary.



- The prescribed maintenance work on the sliding door system must be done by an expert:
 - at least once a year
 - or
 - when the service indicator on the programme switch lights up (see wiring diagram).
- Depending on the configuration, not all the wear parts listed are present.
- ▶ Provide test documents and keep them up-to-date.



The following table shows the recommended replacement intervals for spare and wear parts. The information is based on the manufacturer's recommendations under normal conditions; depending on the operating environment and application, shorter intervals may be necessary.

Wear parts present	Manufacturer's recommended replacement interval
Rechargeable battery	2 years
Roller carriage/track and track-supporting rollers	1.5 million cycles or 5 years
Cleaning and sealing brushes in the door system	2 million cycles or 5 years
Sealing rubbers	2 million cycles or 5 years
Toothed belt	2 million cycles or 5 years
Floor guide	1 million cycles
Deflection pulleys	2 million cycles or 5 years
Rubber cable	200,000 cycles or 1 year
Deflector for rubber cable	200,000 cycles or 1 year
Cleaning brush at the roller carriage	1 year
End buffer	2 million cycles or 5 years
Wire rope telescopic door	In case of wear or damage
Locking device	In case of wear or damage
Spare part	Manufacturer's recommended replacement interval
Motor gear unit	2 million cycles or 5 years
Cover fixing	In the event of damage



After completing the maintenance work, always execute the learning function for the door.

Maintenance work

Testing facility	Action	Comments
Track	Check for cracks	► Replace the track
	Check for cleanliness	► Clean the track
Roller carriage	Check the abrasion of the track rollers	► Remove the abrasion
	Check brushes	► Remove the roller carriage ► Replace brush seals (see chapter 7.1.4)
Floor guide area	Check for jarring-free function	► Clean floor guide area
Floor guide area (brushes)	Check for soiling and hardness	► Clean or replace
Moving leaf	Check for smooth movement	► See chapter 7.1.1
Toothed belt	Check for wear & tear and damage	► Replace the toothed belt
	Check tension	► Tensioning the toothed belt (see chapter 4.5.3)
Screws	Check for tight fit	► Tighten the screws if (refer to drive drawing for torques)
Assembly groups and peripherals	Check for correct function	► Replace assembly group
Cables	Check for damage and correct fastening	► Fasten or replace cables
Cover fixing	Check for cracks and fading	► Replace cover fixing
	Check for damage e.g. brittle plastic	
	Check whether a year or more has passed since the last maintenance.	

7 Troubleshooting

7.1 Mechanical faults

Cause	Remedy
Track bent	▶ Replace track. ▶ Check the installation surface.
Moving leaf stiff	▶ Check the moving leaf (see chapter 7.1.1).
Roller carriage jammed or defective, high abrasion on the track rollers	▶ Check toothed belt at driver for perpendicular fit. ▶ Guide toothed belts so that they are parallel. ▶ Replace the track roller (see chapter 7.1.2), clean the track
Toothed belt damaged	▶ Replace the toothed belt.
Cover fixing faulty	▶ Replace cover fixing (see Chapter 7.1.5).

7.1.1 Check moving leaf

- ▶ Disconnect the moving leaf from the toothed belt using the driver.
 - ▶ Move the moving leaf and check for ease of movement.
- If moving leaves move easily:
- ▶ Check the motor gear unit and deflection pulley and replace if necessary.

7.1.2 Replacing track roller

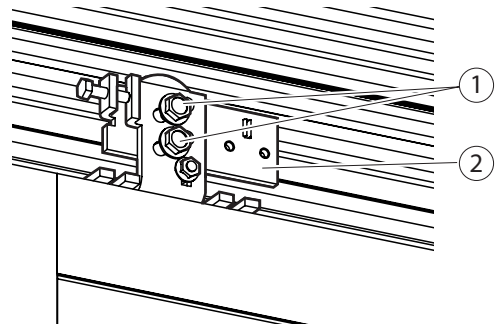


WARNING!

Danger of injury caused by door leaves falling over!

- ▶ Always exchange the track rollers one at a time; never loosen them at the same time.

- ▶ Secure moving leaf against falling.
- ▶ Separate driver from roller carriage if necessary.
- ▶ Loosen screws (1).
- ▶ Pull out bracket support (2) and track roller to the side.
- ▶ Replace track roller and install a new one.
- ▶ Adjust the parallel position and height of the moving leaves (see Chapter 4.4.1).
- ▶ Tighten the screws (1) (torque 30 Nm).



7.1.3 Replace the single roller carriage

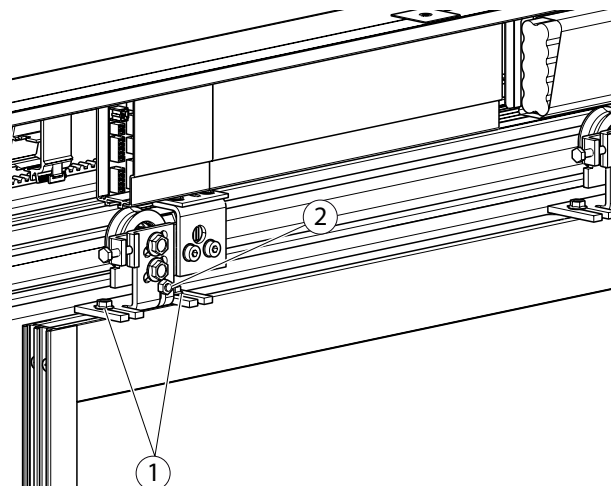


WARNING!

Danger of injury caused by door leaves falling over!

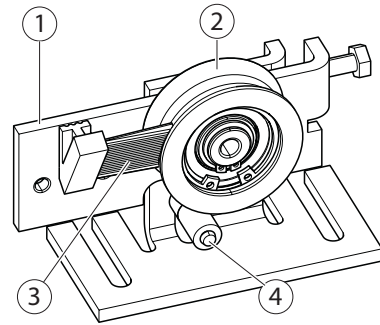
- ▶ Always exchange the roller carriages one at a time; never loosen them at the same time.

- ▶ Secure the moving leaf against falling and remove load from the roller carriage.
- ▶ Separate driver from roller carriage if necessary.
- ▶ Loosen the screw (2) of the fastening bolt.
- ▶ Remove 2 screws (1).
- ▶ Remove the roller carriage.
- ▶ Insert the new roller carriage and assemble it to the leaf using 2 screws (1) (torque 15 Nm).
- ▶ Adjust the locking bolt (see Chapter 4.4.1) and tighten the screws (2) (torque 11 Nm).



7.1.4 Replacing brushes

- ▶ Secure moving leaf against falling.
- ▶ Remove roller carriages if necessary.
- ▶ Pull brush (3) out of support bracket (1).
- ▶ Clean roller (2) and insert new brush.
- ▶ Reinstall roller carriage in reverse order.
- ▶ Adjust the locking bolt (4) (see chapter 4.4.1) and tighten the screws (torque 11 Nm).



7.1.5 Replace the cover fixing

- ▶ Remove the cover (see chapter 6.1.1).
- ▶ Remove defective cover fixings from the cover and assemble new cover fixings.

7.2 Electrical faults



- ▶ For read-out instructions and a list of fault messages, see wiring diagram.

7.2.1 Replacing fuse in transformer



DANGER!

Risk of fatal injury due to electric shock!

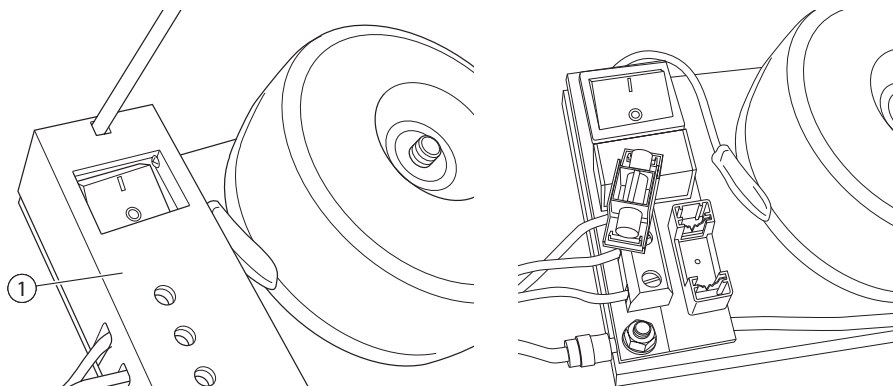
If the main switch on the transformer is activated, the fuse is still energised since it is upstream of the main switch.

The mains voltage 230/115 V must be disconnected from the mains upstream of the fuse.

- ▶ Disconnect the door system from the 230/115 V mains supply on site before removing the PCB cover (1) and secure against being switched back on again.



- ▶ You will find the fuse value on the wiring diagram.



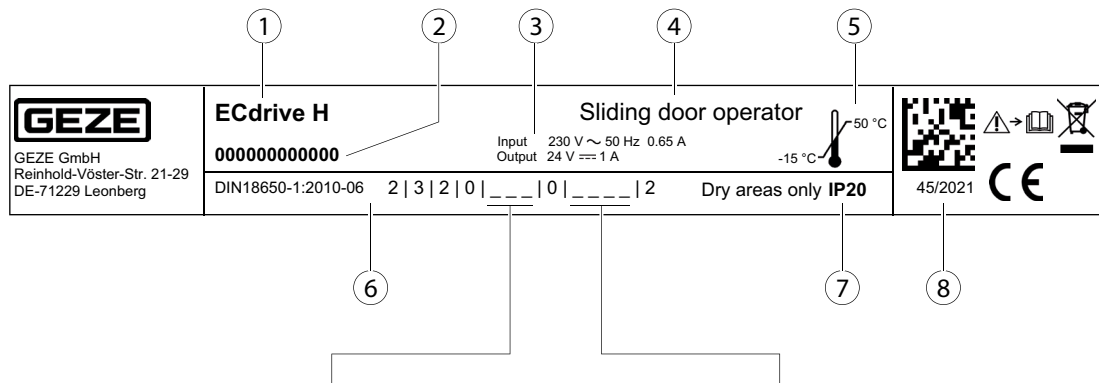
- ▶ Insert a suitable screwdriver into the opening of the PCB cover (1) above the switch.
- ▶ Carefully press the end wall of the PCB cover upward with the tip of the screwdriver. This releases the snap catch.
- ▶ Remove the PCB cover (1).
- ▶ Pull the fuse holder forwards and off and replace the defective fuse.
- ▶ Attach the fuse holder.



- ▶ Do not trap the cable when setting the cover in place.

- ▶ Set the PCB cover (1) in place and clip on.

8 Drive nameplate



- 1 Product name
- 2 Serial number
- 3 Electr. data
- 4 Machine category
- 5 Ambient temperature
- 6 IP rating
- 7 Date of manufacture

9 Inspection of the installed door system

9.1 Protective measures to prevent and protect from hazardous areas

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

9.2 Assembly checklist ECdrive H

No.	Test	In chapter	On page	Completed
1	Are all cables for the assembly of the ECdrive H routed correctly?	–	–	
2	Track mounted?	4.2	8	
3	Angled floor guide/continuous floor guide installed?	4.3	9	
4	Moving leaf assembled with roller carriage?	4.4.1	11	
6	Drive components installed?	4.5	14	
7	Tooth belt mounted?	4.5.1	14	
8	Closing position with 2-leaf door system adjusted?	4.5.4	15	
9	Components electrically connected?	5.1	18	
10	Safety devices mounted?	5.3	21	
11	Switches/push buttons installed?	5.4	21	
12	Programme switch installed?	5.4	21	
13	Earthing connections established?	–	–	
14	Transformer earthing installed?	4.7	17	
15	230/115 V connection established?	5.1	18	
16	Cover earthing connected?	5.2.3	20	
17	Cover fixing mounted?	5.2.1	19	
18	Safety analysis carried out?	–	–	
19	Deviations of the door system checked in accordance with safety analysis?	–	–	
20	Are all components mounted in accordance with the following instructions:	–	–	
21	▫ Pre-installation instructions ECdrive H	–	–	
22	▫ Installation instructions ECdrive - girder section with side panel	–	–	
23	▫ Pre-mounting instructions profile system leaves and side panel	–	–	
24	Drive identification plate supplemented?	9	27	
	Notes:			
	▫ Only relevant for Germany and within the scope of validity of DIN 18650-1.			
	▫ The identification plate may only be attached to the drive when installation has been checked for correct implementation using the checklist in accordance with GEZE specifications.			

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