

RWA 110E  
OL 360EN  
Window unit

GB Mounting instructions

Outward-opening system, 24 V DC,  
230 V AC



091890-04

## Symbols and means of representation

In these instructions, warnings are used to warn against material damage and injuries.  
 ▶ Always read and observe these warnings.  
 ▶ Observe all the measures that are marked with the warning symbol and warning word.

Warning symbol	Warning word	Meaning
	<b>DANGER</b>	Danger for persons. Non-compliance will result in death or serious injuries.
	<b>WARNING</b>	Danger for persons. Non-compliance can result in death or serious injuries.
	<b>CAUTION</b>	Danger for persons. Non-compliance can result in minor injuries.
	<b>CAUTION</b>	Information on avoiding material damage, understanding a concept or optimising the processes.

Important information and technical notes are emphasised in order to illustrate the correct operation.

Symbol	Meaning
	means "important note"
	means "additional information"
	Symbol for an action: Here you have to do something. ▶ Observe the sequence if there are several action steps.

## Product liability

In accordance with the liability of the manufacturer for their products as defined in the German "Produkthaftungsgesetz" (Product Liability Act), the information contained in this brochure (product information and proper use, misuse, product performance, product maintenance, obligations to provide information and instructions) is to be observed. Non-compliance releases the manufacturer from his statutory liability.

## 1 General information

### 1.1 Product description

The window unit is a drive system for opening and closing vertically installed bottom-hung, top-hung and side-hung windows that are opened inwards.  
 Depending on the application, 1 system (Solo) or 2 systems (Tandem) are mounted next to the window.  
 Available for 24 V DC or for 230 V AC.

### 1.2 Intended use

The drive is designed solely for use in dry rooms, with the exception of E250 AB.  
 Use only cables specified in the cable plan. Insulated wire end ferrules must always be used for wire-end ferrules.  
 Any other use than the proper use as well as all changes to the product are impermissible.

### 1.3 Limitation of liability

GEZE GmbH does not accept any liability for direct or indirect damage resulting from the non-observance of the specifications in these instructions of this window unit.  
 Technical modifications that serve the improvement or further development of the product can be introduced at any time without any particular announcement.  
 GEZE shall not be liable for injuries or damage resulting from unauthorised modification of the system.  
 GEZE shall not be liable if products from other manufacturers are used with GEZE equipment. Only original GEZE parts may be used for repair and maintenance work as well.  
 Please do not hesitate to contact our customer service for further information.

## 2 Safety instructions

- The prescribed mounting, maintenance and repair work must be performed by properly trained personnel authorised by GEZE.
- Connection to the mains voltage (230 V AC or 24 V DC) and any work on electrical items must be carried out by a qualified electrician in accordance with the respective wiring diagram.
- The mains connection and safety earth conductor test must be carried out in accordance VDE 0100 or in accordance with National Standards for countries other than Germany.
- Use a customer-accessible 10-A overload cut-out as the line-side disconnecting device in accordance with the permissible current carrying capacity of the cable.
- The country-specific laws and regulations are to be observed during safety-related tests.
- In accordance with Machinery Directive 2006/42/EC, a safety analysis (risk analysis) must be performed and the window unit identified in accordance with CE Identification Directive 93/68/EEC before commissioning the window unit.
- Observe the latest versions of guidelines, standards and country-specific regulations, in particular:
  - BGR 232 "Guidelines for power-operated windows, doors and gates"
  - DIN 18650 "Building hardware - Powered pedestrian doors"
  - VDE 0100: Part 610 "Erection of low-voltage installations"
  - VDE 0700, Part 238 "Safety of electrical devices for home use and similar purposes, drives for windows, doors, gates and similar systems"
  - Accident-prevention regulations, especially BGV A1 "General regulations" and BGV A2 "Electrical systems and equipment"

### 2.1 Safety-conscious working

- Observe the safety instructions for electrical systems and in the wiring diagram.
- Protect the workplace against unauthorised entry.
- Take care to allow sufficient space for the movement of long components in the system.
- Before working on the electrical system interrupt the power supply and verify the safe isolation from supply. Note that the system will still be supplied with power, despite the fact that the power supply is disconnected, if an uninterruptible power supply (UPS) is used.
- Risk of injury by sharp edges and moving parts (drawing in of hair, clothing, ...) when a drive is opened.
- Risk of injury by unsecured crushing, impact, shearing and drawing-in spots.
- Risk of injury through breakage of glass.
- During the setup control the drive only in inching mode. Touching the window unit can result in injuries during operation.
- In order to avoid injuries the enclosed protective caps are to be screwed onto projecting threads of the fastening screws.

## 3 Tools and fastening means

Tool	Size
Tape measure	-
Marking tools	-
Drilling pattern	-
Drilling tool	-
Drill bits	Diameter 4 mm (or 3 mm)
Allen key	Size 3, Size 4
Open-ended spanner	Size 17
Ring spanner	Size 17
Screw driver	-
Saw	-
File	-

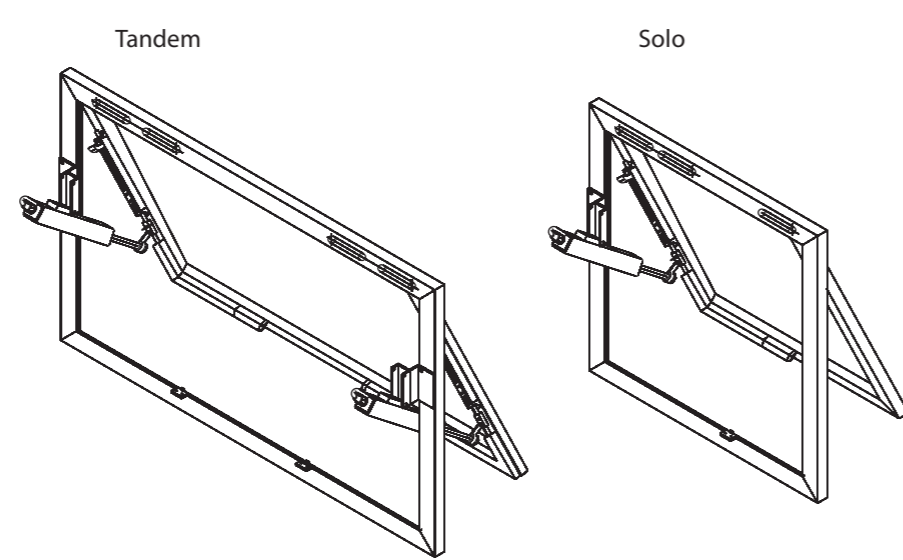
  

Window type	Fastening screws	Ø hole
Wooden	Countersunk wood screws 5x35 DIN 97 or 7997	3 mm
Light alloy	Tapping screws with countersunk head 4.8x22* DIN 7972 or 7982	4 mm
	Tapping screws with countersunk head M5x20 DIN 963 or 965 with rivet nut, e.g. RIV-TI NO. 338 551	
Plastic	Tapping screws with countersunk head 4.8xL* DIN 7972 or 7982	4 mm

\* L = Screw must pass through min. 2 mm profile cladding.

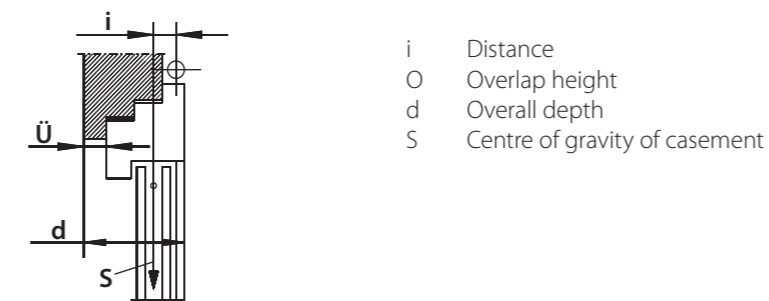
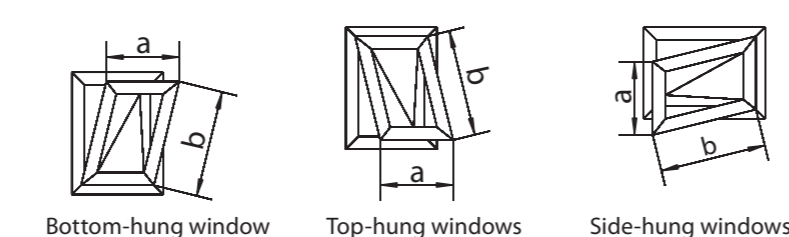
Fastening screws are not included in the scope of delivery.

## 4 Technical data



	RWA 110E Solo and Tandem	OL 360EN Solo
Spindle drive	E250 VdS 24 V DC	E350N 230 V AC
Strokes in mm	150, 200, 300	150, 200, 300
Length	Stroke +240 mm	Stroke +340 mm
Running time	approx. 20 s per 100 mm stroke	approx. 15 s per 100 mm stroke
Power consumption	20 W	35 W
Current consumption	max. 0.8 A	0.15 A
Enclosure rating	IP 65	IP 65
Motor force	750 N	750 N
VdS nominal force	500 N	-
Ambient temp.	-5 °C to +75 °C	-20 °C to +70 °C
Supply voltage	24 V DC	230 V AC, 50 Hz
Flex. connecting cable	2 m; 3 x 0.75 mm <sup>2</sup>	2.5 m; 3 x 1.5 mm <sup>2</sup>
Versions	EVI (silver); RAL9016 (white); to RAL...	EVI (silver); RAL9016 (white); to RAL...
Wiring diagram	is enclosed with the drive	is enclosed with the drive

### 4.1 Installation conditions



Installation condition	Dimension
Space required on masking frame	≥45 mm
Space required on casement frame	≥33 mm
Panel weight	≤30 kg/m <sup>2</sup> m (top-hung/side-hung window) ≤25 kg/m <sup>2</sup> m (bottom-hung window)
Distance i	≤70 mm
Overall depth d	≤85 mm
Hinge distance	≤15 mm
Casement height b	≤1600 mm
Overlap height O	0-25 mm (up to 12 mm: mounting with additional bracket)

Casement widths a (main closing edge, clear inner frame dimensions):	
Material	Dimension (max.)
Wooden/Aluminium Solo	1200 mm
Wooden/Aluminium Tandem	2400 mm
Plastic Solo	800 mm
Plastic Tandem	1600 mm

Only plastic window with steel reinforcement are approved.

### Further installation conditions

- 2 hinges (B1 and B2) have to be installed on the motor side.
- The window bearings and their fixings have to withstand a static load of 1000 N.
- A limiter has to be applied installed additionally at plastic windows.

## 5 Overview of parts and requirements

### 5.1 Scope of delivery and completeness

- Open all the packaging units. Check whether they are complete and familiarise yourself with the parts.

Designation	Stroke	ID No. / Colour	EVI (silver)	RAL9016 (white)	to RAL...
RWA 110E	150	20559	20567	20564	
	200	20552	20558	20556	
	300	21303	21311	21310	
OL 360EN	150	88055	88058	88059	
	200	88060	88064	88065	
	300	88067	88070	88069	

### 5.1.1 Overview of parts

Figure	Description
	1 Lower bracket section
	2 Frame bracket
	3 Rod connection
	4 Locking unit OL 100 5 Additional bracket complete
	6 Unlocking spring
	7 Corner transmission OL 100 (for Solo version)

Figure	Description
	8 Rod guide OL 100
	9 Protective caps for screws

### 5.1.2 Packaging contents

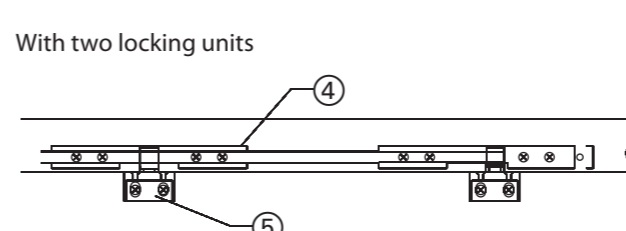
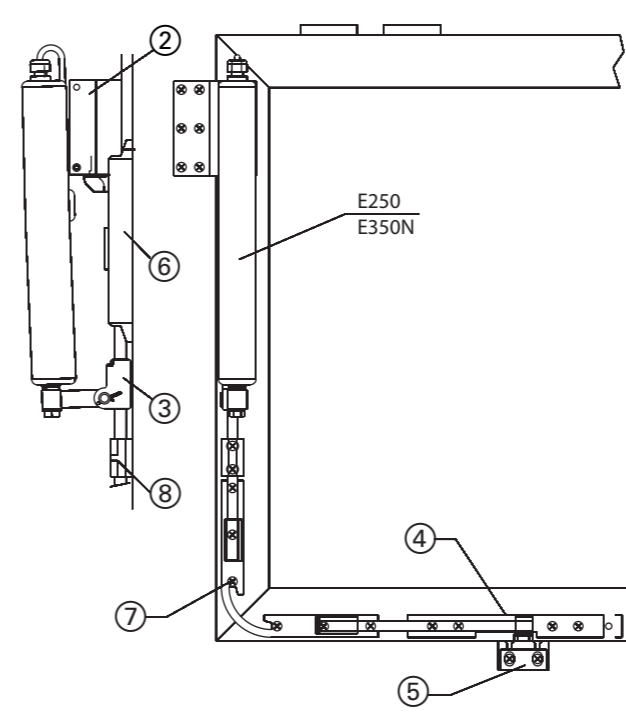
Figure / Description	Designation	ID No.	Colour
	Cover profile 2000 mm*	58771	EVI
		18293	RAL9016 (white) to RAL...
		14258	to RAL...
	3000 mm*	58774	EVI
	18294	RAL9016 (white) to RAL...	
	14259	to RAL...	
	6000 mm	58630	EVI
		18251	RAL9016 (white) to RAL...
		13814	to RAL...
	2000 mm	53198	
	3000 mm	53199	
	6000 mm	54116	
	Tandem disconnection E102 24 V DC	101323	grey
	Tandem power pack E48	87776	grey
	For Tandem operation of OL 360EN with 230 V AC	58653	grey
	Rod coupling	59729	
	Corner transmission	58648	
	Locking unit	63974	EVI
		13080	RAL9016 (white) to RAL...
		18257	to RAL...
	Additional bracket for locking unit	50727	EVI
		13077	RAL9016 (white) to RAL...
	For overlap heights up to 12 mm	Setting device 02754	
		1274 V DC	
		Setting device 26762	230 V AC

### 5.2 Material required for 1 window

	ID No.	required number per window	RWA 110E Solo	RWA 110E Tandem	OL 360EN Solo	OL 360EN Tandem
RWA 110E 24 V DC	see Section 5.1	2	-	-	-	-
OL 360EN 230 V AC	see Section 5.1	-	-	1	2	-
Tandem disconnection E102 24 V DC	101323	-	1	-	1	-
Tandem power pack E48	87776	-	-	-	1	-
Rods, cover profiles, rod guide	see Section 5.1.2	adapt as required, see Section 6.5.2 and 6.5.7				
Locking unit OL 100 (additionally at casement area ≥1.2 m <sup>2</sup> )	see Section 5.1.2	1	-	1	-	-
Additional bracket (overlap height up to ≤12 mm)	see Section 5.1.2	1	-	1	-	-
Corner transmission OL 100 (for side mounting of the locking unit)	58648	1	-	1	-	-

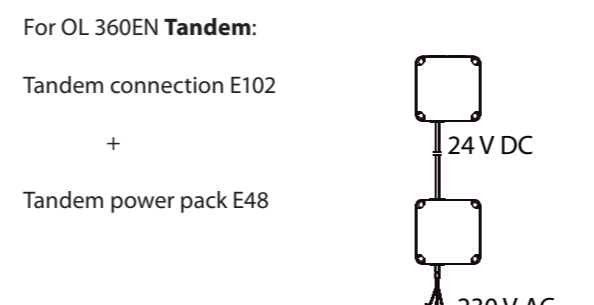
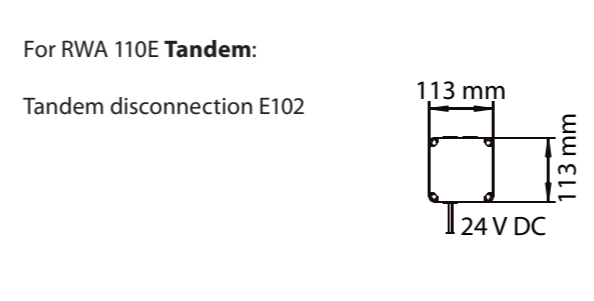
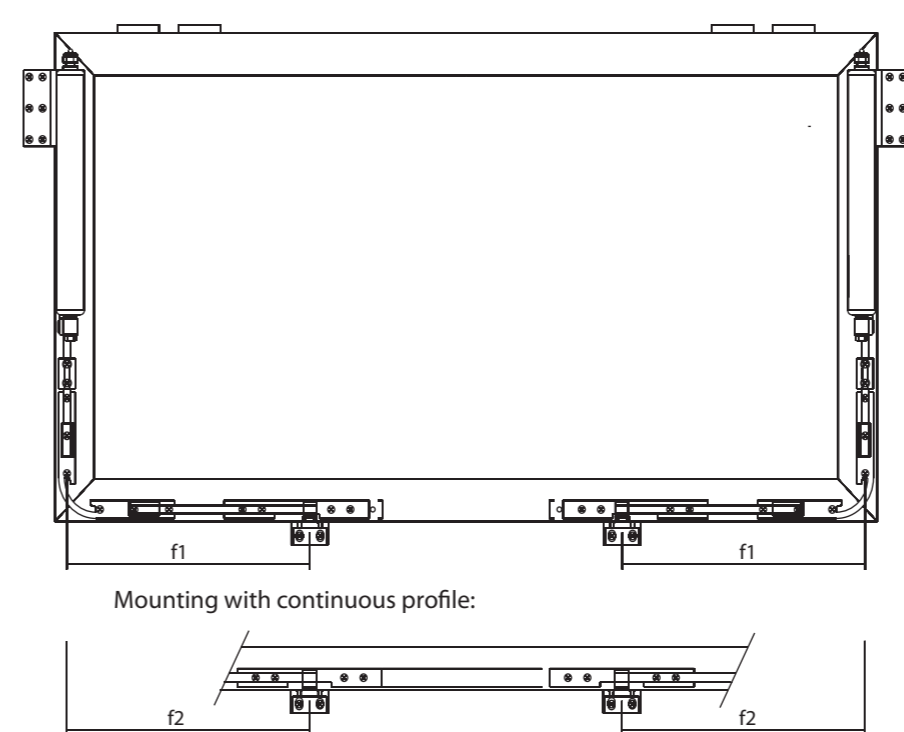
### 5.3 Location and overview of parts at the window

#### 5.3.1 RWA 110E Solo and OL 360EN Solo



- 1 - Additional bracket compl.
- 2 Frame bracket
- 3 Rod connection
- 4 Locking unit OL100
- 5 - Additional bracket compl.
- 6 Unlocking spring
- 7 Corner transmission OL100

#### 5.3.2 RWA 110E Tandem and OL 360EN Tandem



## 6 Mounting

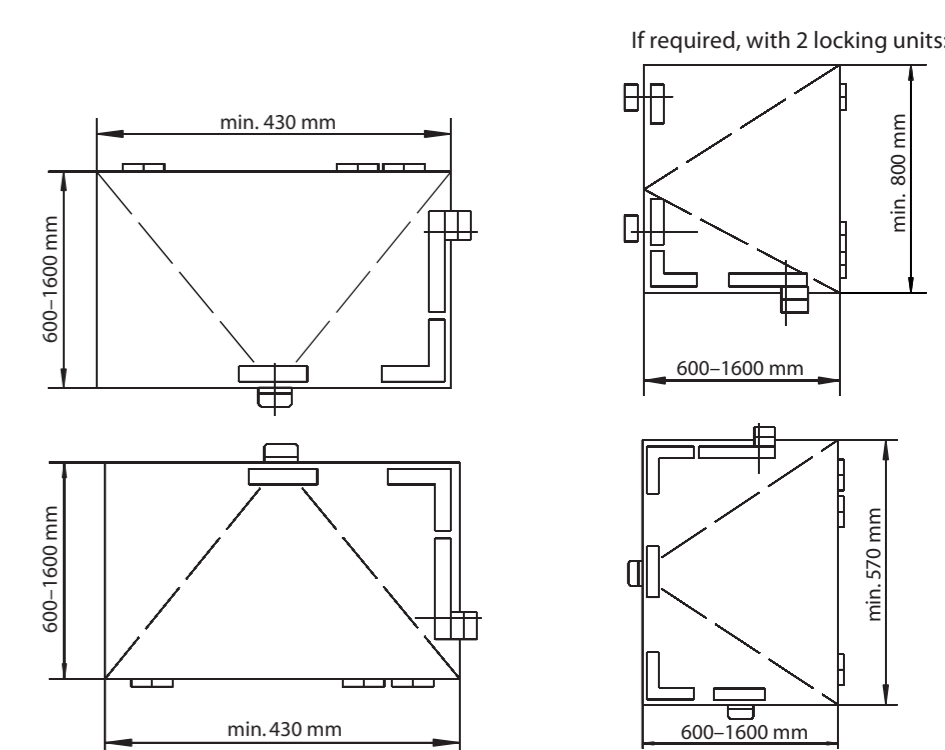
### 6.1 Mounting possibilities

The specified dimensions are the clear inner frame dimensions.



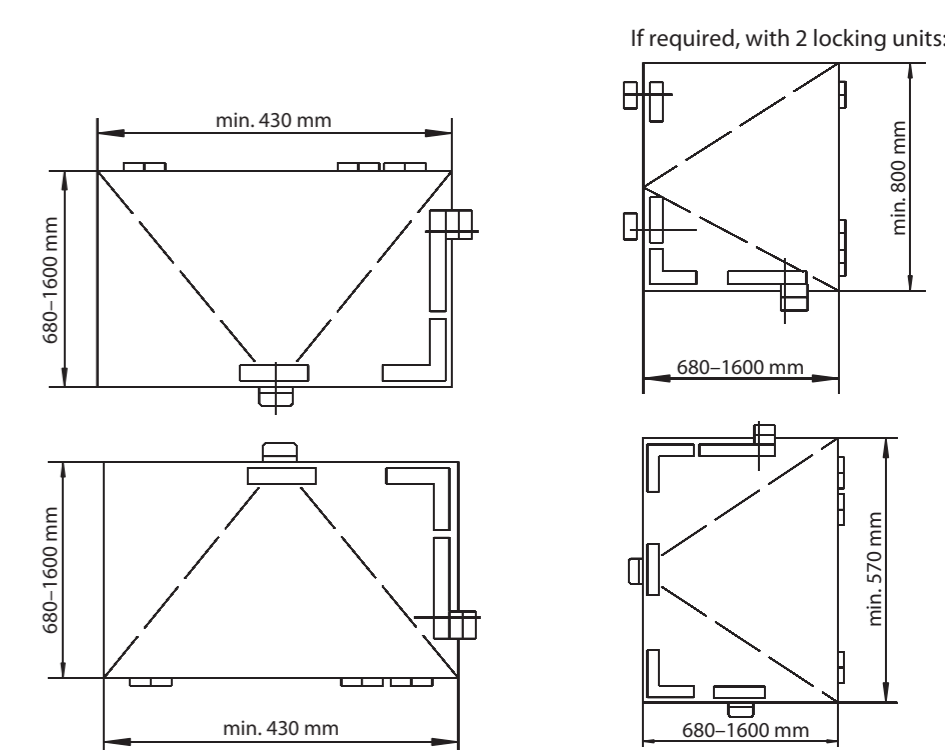
#### 6.1.1 RWA 110E Solo

The motor can be mounted on the left or right.  
 Above 1.2 m<sup>2</sup> window surface 2 locking units have to be mounted. The second locking unit is placed above or on the side depending on the height and width.

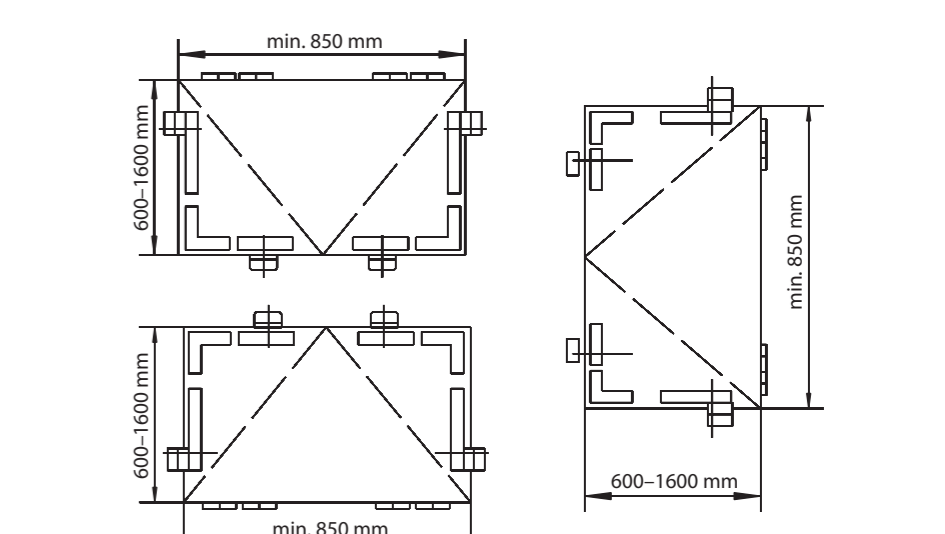


#### 6.1.2 OL 360EN Solo

The motor can be mounted on the left or right.  
 Above 1.2 m<sup>2</sup> window surface 2 locking units have to be mounted. The second locking unit is placed above or on the side depending on the height and width.



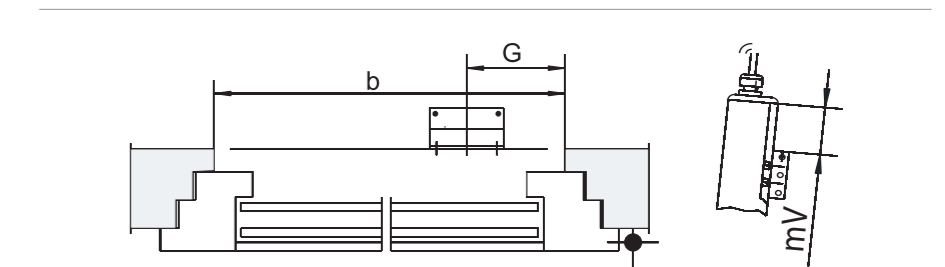
#### 6.1.3 RWA 110E Tandem and OL 360EN Tandem



### 6.2 Mounting dimensions depending on opening width and drive stroke

#### 6.2.1 RWA 110E Solo, RWA 110E Tandem and OL 360EN Tandem

These values apply for the 24-V versions (spindle drive E250 VdS 24 V DC). The specifications for opening angle and opening width are mean values and can vary depending on the type of installation.



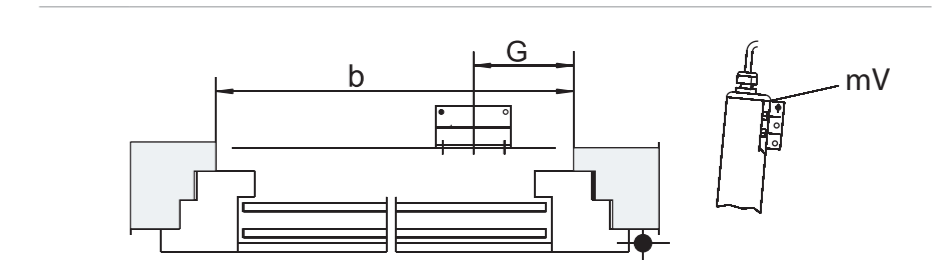
Case height mV  
 With displacement: mounting of lower bracket section (1) at the electrical drive (see following table)

Casement height b (mm)	Dimension G (mm)	Opening angle (°)	Opening width (mm)	Displacement mV (mm)
<b>Stroke 150</b>				
600-650*	65	approx. 45°	approx. 510	32
650-700*	80	approx. 44°	approx. 530	32
700-750*	100	approx. 42°	approx. 540	32
750-800*	125	approx. 39°	approx. 540	32
800-850*	150	approx. 37°	approx. 540	32
<b>Stroke 200</b>				
650-700*	110	approx. 55°	approx. 640	75
700-750*	130	approx. 51°	approx. 650	45
750-800*	155	approx. 48°	approx. 650	45
800-850*	175	approx. 46°	approx. 670	45
850-900*	200	approx. 43°	approx. 670	45
900-950*	225	approx. 41°	approx. 670	45
950-1000*	250	approx. 39°	approx. 670	45
<b>Stroke 300</b>				
900-920*	260	approx. 56°	approx. 880	75
920-950*	280	approx. 54°	approx. 870	75
950-1000*	310	approx. 51°	approx. 870	75
1000-1050*	330	approx. 49°	approx. 880	45
1050-1100*	360	approx. 47°	approx. 880	45
1100-1200*	420	approx. 43°	approx. 860	45
1200-1300*	500	approx. 39°	approx. 860	45
1300-1400*	580	approx. 35°	approx. 830	45
1400-1500*	630	approx. 33°	approx. 840	45
1500-1600*	700	approx. 31°	approx. 840	45

\* Shorten the corner transmission by 50 mm.

#### 6.2.2 OL 360EN Solo

These values apply for the 230-V versions (spindle drive E350N 230 V AC). The specifications for opening angle and opening width are mean values and can vary depending on the type of installation.




Case height mV  
 With displacement: mounting of lower bracket section (1) at the electrical drive (see following table)

Casement height b (mm)	Dimension G (mm)	Opening angle (°)	Opening width (mm)	Displacement mV (mm)
<b>Stroke 150</b>				
680-700*	80	approx. 44°	approx. 530	65
700-750*	100	approx. 42°	approx. 540	75
750-800*	125	approx. 39°	approx. 540	100
800-850*	150	approx. 37°	approx. 540	132
<b>Stroke 200</b>				
730-750*	130	approx. 51°	approx. 650	110
750-800*	155	approx. 48°	approx. 650	145
800-850*	175	approx. 46°	approx. 670	145
850-900*	200	approx. 43°	approx. 670	145
900-950*	225	approx. 41°	approx. 670	145
950-1000*	250	approx. 39°	approx. 670	



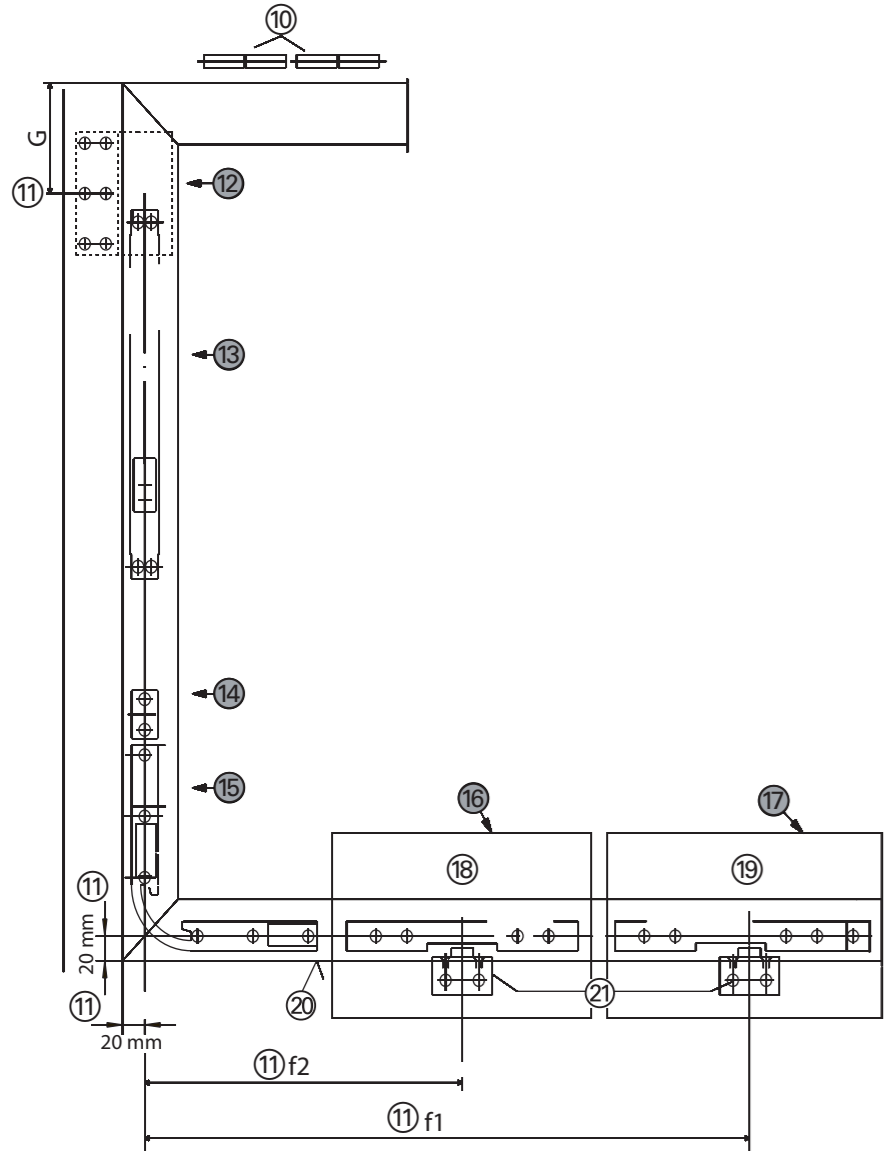
### 6.3 Preparation of mounting

- ▶ Mount an additional hinge on the drive side to improve stability at all the window types.
- ▶ Ensure that a limiter (not included) is used at the drive side for plastic windows with steel reinforcement.

 The mounting dimensions specified in the following chapters apply for mounting on the left-hand side.  
 ▶ Use the mounting dimensions for the right-hand side laterally reversed.

### 6.3.1 Component layout and dimensions on the window

- Mounting dimension: Dimension G (see table Section 6.2.1 and 6.2.2)
- Mounting dimensions on right mirrored
- Using the drilling templates (see Section 6.4)

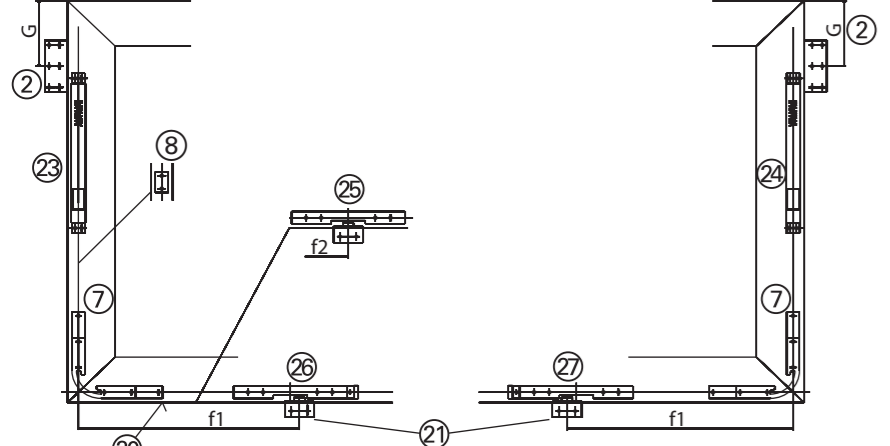


- Item numbers with a grey background refer to drilling images (see legend and following sections)
- |  |  |
|--|--|
| 10 2 hinges on the electrical drive side                                     | 17 Drilling image for locking unit OL100 with end cap (s. Section 6.4.4) |
| 11 Mounting dimension  | 18 Select f2 for locking unit at continuous cover profile                |
| 12 Drilling image for frame bracket (see Section 6.4.5)                      | 19 Select f1 for locking unit with end cap                               |
| 13 Drilling image for unlocking spring (see Section 6.4.5)                   | 20 Clear inner frame edge  |
| 14 Drilling image for rod guide (see Section 6.4.3)                          | 21 Additional bracket required for overlap heights up to 12 mm           |
| 15 Drilling image for corner transmission (see Section 6.4.3)                | f1 Min. 285 mm; max. a – 110 mm  |
| 16 Drilling image for locking unit OL100 between fittings (s. Section 6.4.4) | f2 Min. 265 mm; max. a – 150 mm; for Tandem max. a/2 – 110 mm            |

### 6.4 Drilling images

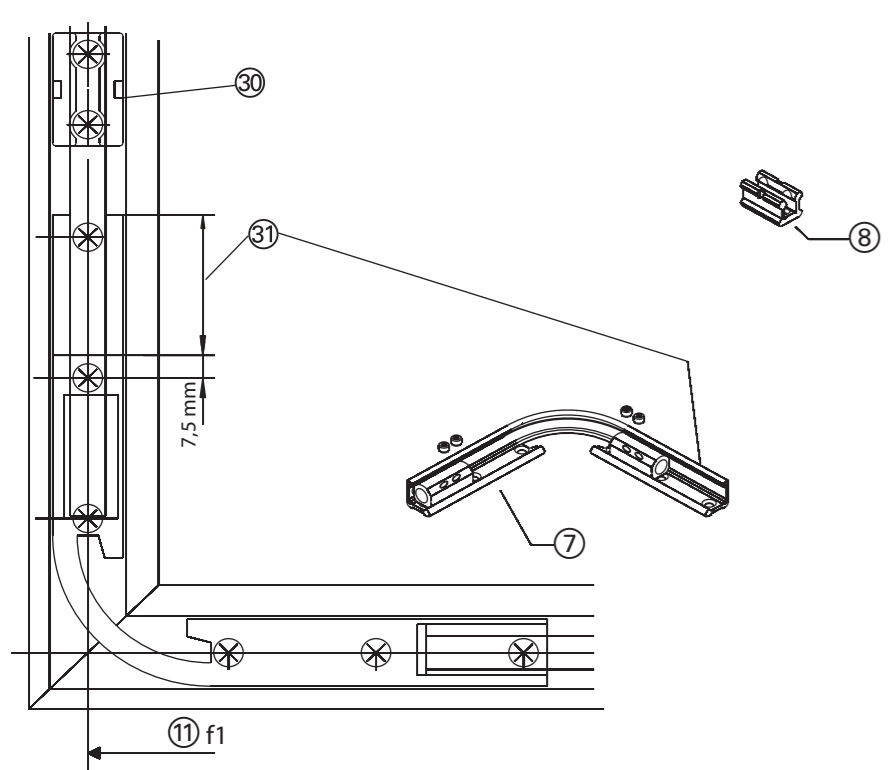
#### 6.4.1 Using the drilling templates

The usage of the drilling templates is recommended. Otherwise see drilling images. Drilling templates are included in the packaging.  
 ▶ Cut out drilling images, apply: see mounting dimensions.  
 ▶ Drill the fitting holes (Ø depending on the window type, see Section 3).



- |  |   |
|--|---|
| 2 Frame bracket  | 24 Unlocking spring mounting right                    |
| 7 Corner transmission  | 25 Locking unit OL100 with end cap for mounting left  |
| 8 Rod guide  | 26 Locking unit OL100 with end cap for mounting right |
| 20 Clear inner frame edge                                      | 27 Locking unit OL100 with end cap for mounting right |
| 21 Additional bracket required for overlap heights up to 12 mm |   |
| 23 Unlocking spring mounting left                              |   |

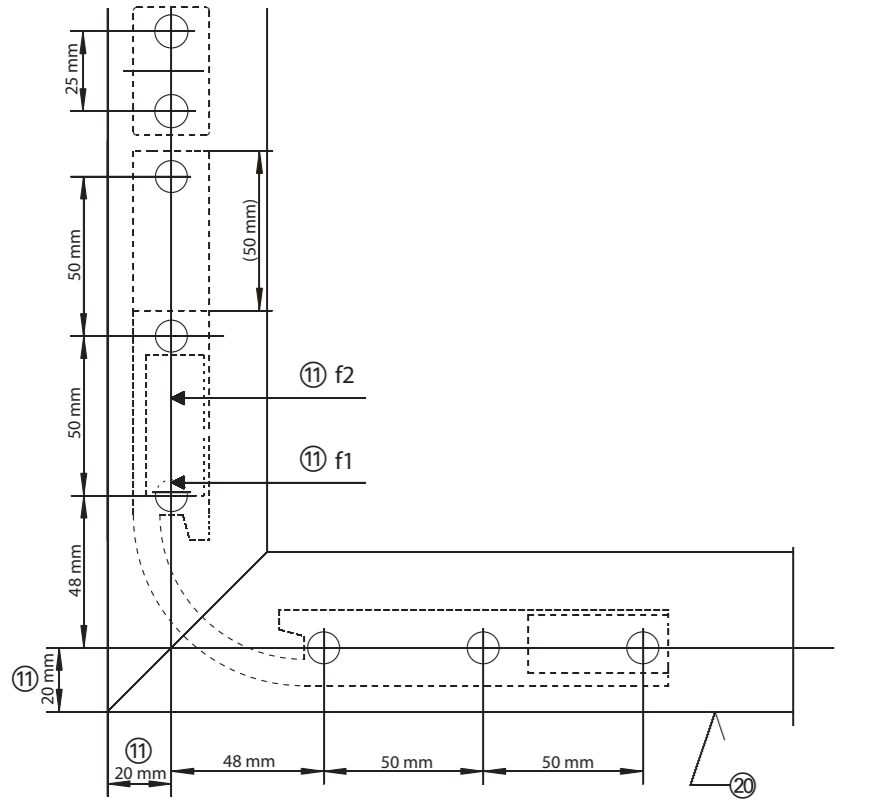
#### 6.4.2 Adapting the corner transmission as required



- |   |   |
|---|---|
| 7 Corner transmission                                       | 31 If necessary, shorten by 50 mm (see mounting dimensions Section 6.2.1 and 6.2.2) |
| 8 Rod guide   |   |
| 11 Mounting dimension                                       |   |
| 30 Rod guide can be dispensed in case of insufficient space |   |

#### 6.4.3 Drilling image corner transmission and rod guide

- Mounting dimensions on right mirrored

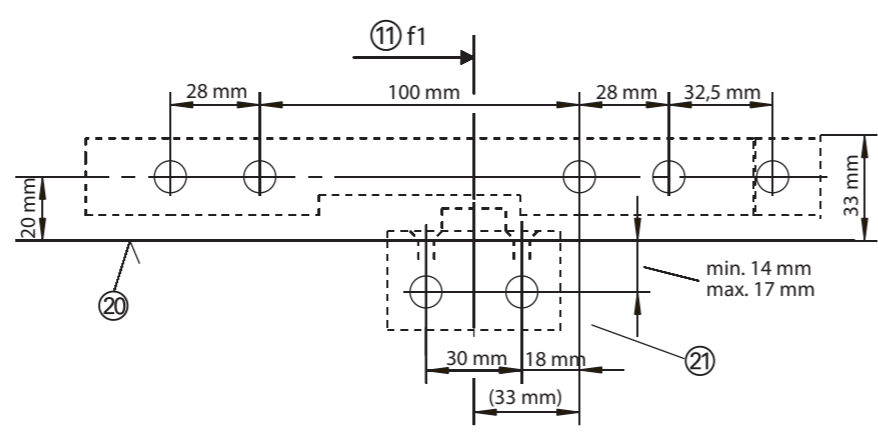


- Item numbers with a grey background refer to drilling images (see legend and following sections)
- |                       |                           |
|-----------------------|---------------------------|
| 11 Mounting dimension | 20 Clear inner frame edge |
|-----------------------|---------------------------|

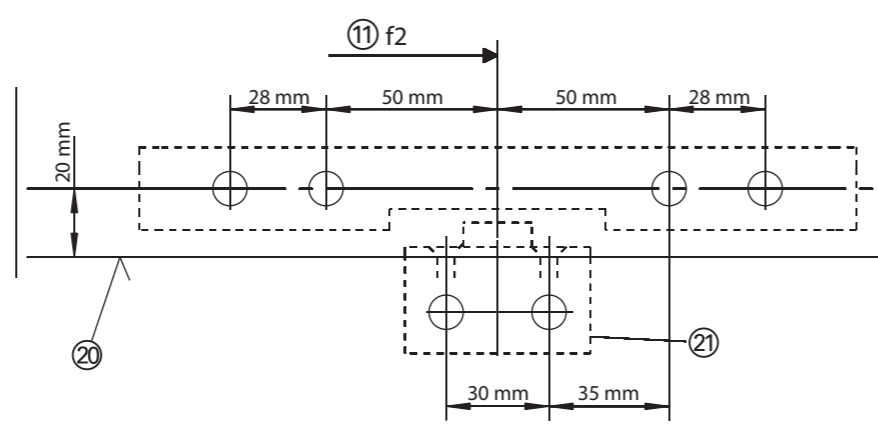
#### 6.4.4 Drilling image for locking unit

- Mounting dimension on right mirrored

##### Drilling image for locking unit OL100 with end cap



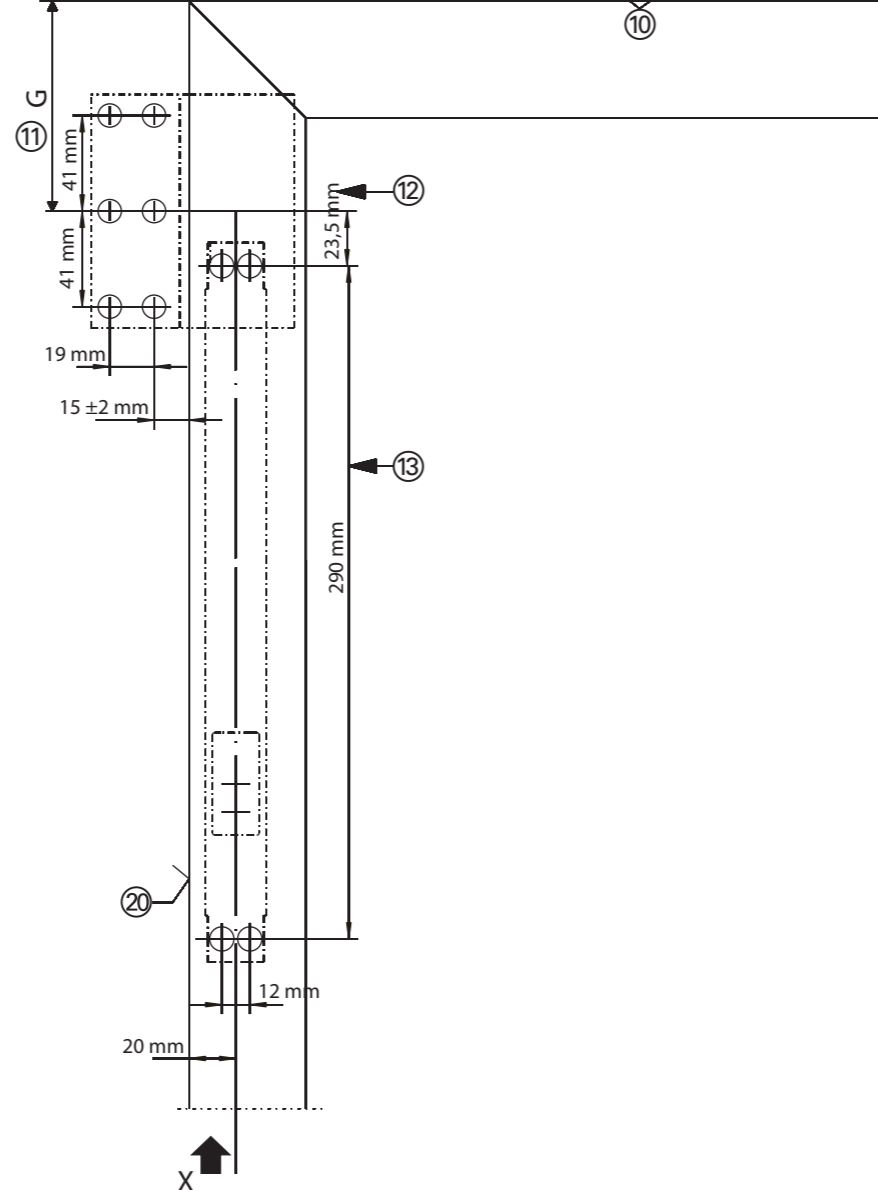
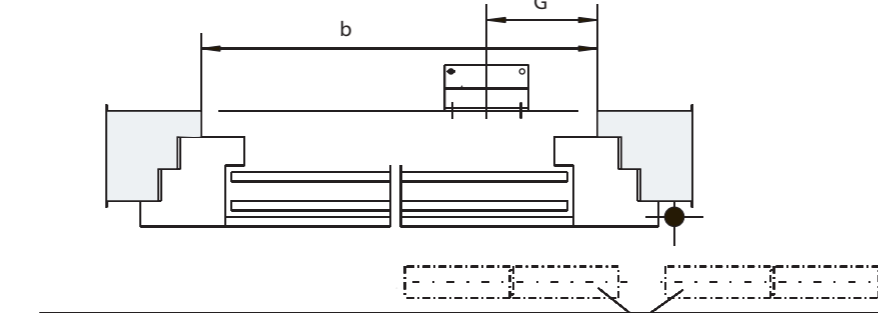
##### Drilling image for locking unit OL100 between fittings



- |                           |  |
|---------------------------|--|
| 11 Mounting dimension     | 21 Additional bracket required for overlap heights up to 12 mm |
| 20 Clear inner frame edge |  |

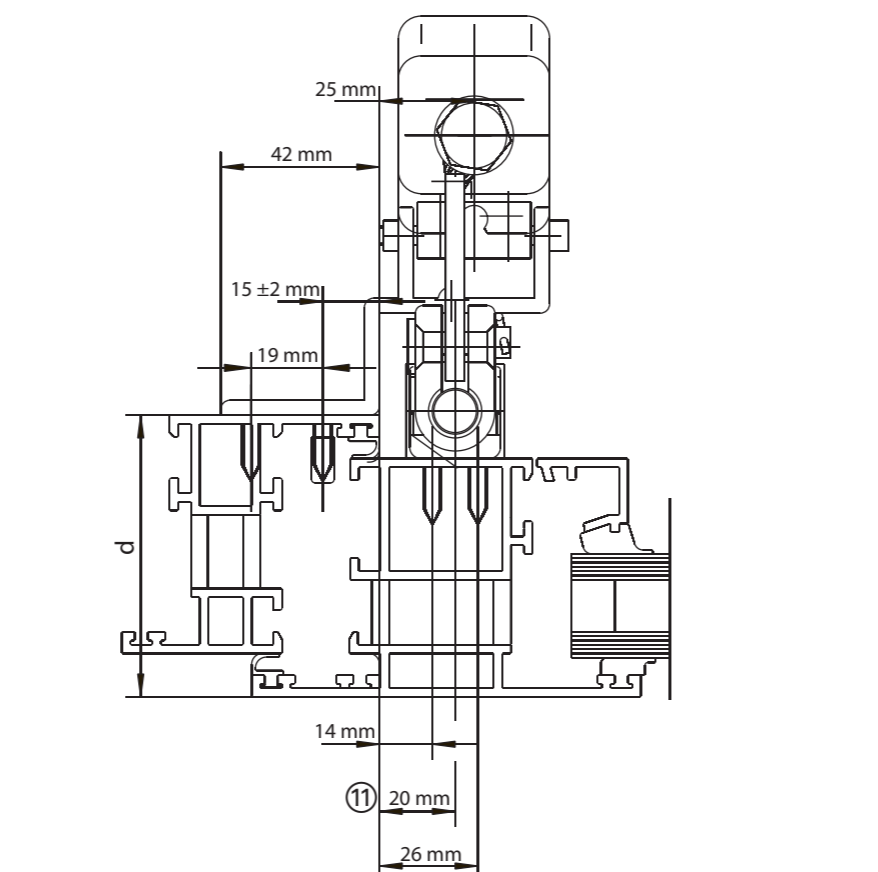
#### 6.4.5 Drilling image drive fastening

- Mounting dimension on right mirrored
- Mounting dimension G (see table Section 6.2.1 and 6.2.2)



- |                                     |  |
|-------------------------------------|--|
| 10 2 hinges on the drive side       | 13 Drilling image for unlocking spring |
| 11 Mounting dimension               | 20 Clear inner frame edge              |
| 12 Drilling image for frame bracket |  |

#### View X:



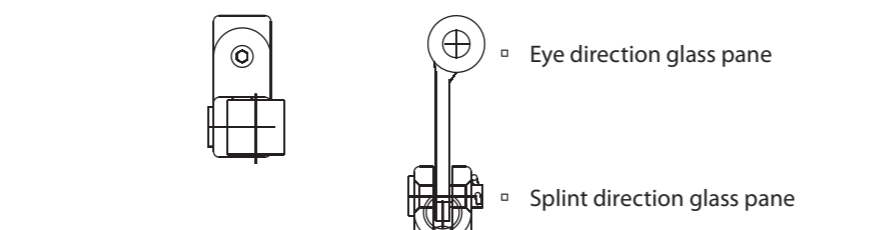
### 6.5 Mounting sequence

#### 6.5.1 Fastening of the components

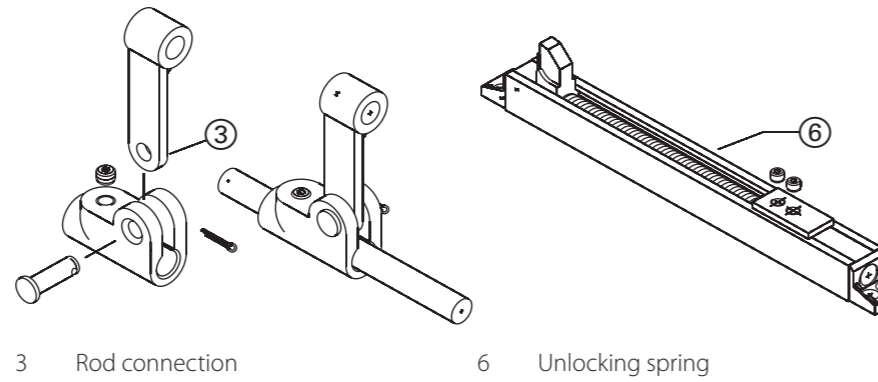
- ▶ Define the mounting dimensions:
  - Dimension G and E (see Section 6.2)
  - Dimension f1 or f2 (see Section 6.3.1)
- ▶ Drill the fitting holes (see Section 6.4).

#### 6.5.2 Mounting of the connecting rod

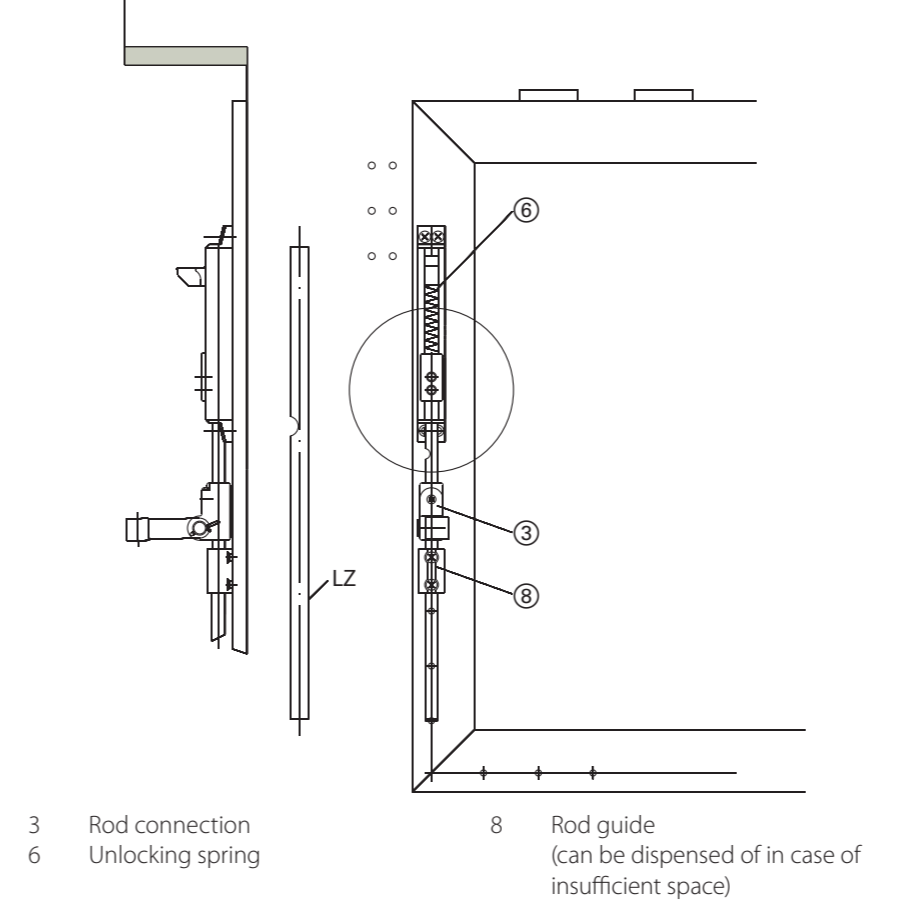
- ▶ Shorten the connecting rod: LZ = Connecting rod length = b – G – 100 mm
- ▶ Lightly grease the connecting rod before mounting.
- ▶ Mount the rod connection (3).



- ▶ Mount rod guide (8) and unlocking spring (6), if appropriate already with connecting rod.
- ▶ When sliding up the connecting rod between the unlocking spring (6) and the rod guide (7) also slide in the rod connection (3). Do not clamp tight.



- |                  |                    |
|------------------|--------------------|
| 3 Rod connection | 6 Unlocking spring |
|------------------|--------------------|

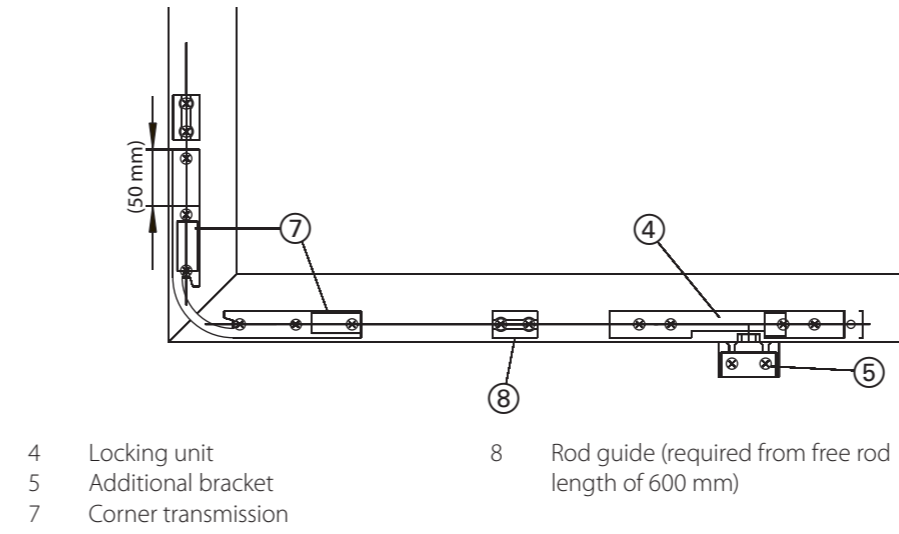


- ▶ If the space is insufficient (e.g. in soffits), introduce the connecting rod with rod connection before mounting the unlocking spring and mount together.

- ▶ If necessary, cut a recess in the connecting rod so that the fastening screws of the unlocking spring can be reached.

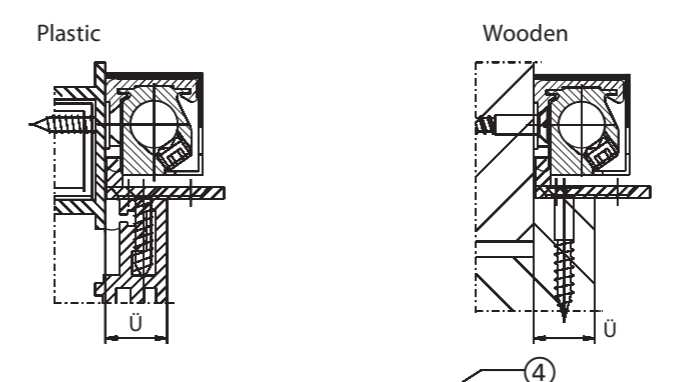
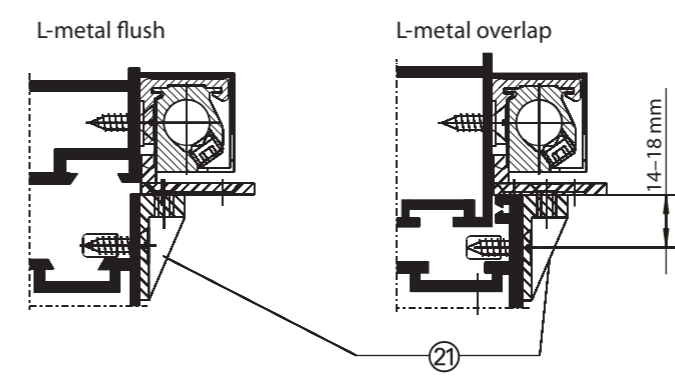
#### 6.5.3 Mounting of the corner transmission

- ▶ Mount the corner transmission (7) and locking unit (4) without end cap and cover.
- ▶ Shorten the corner transmission by 50 mm, if necessary (see Section 6.2 and 6.4.2).
- ▶ Introduce the connecting rod into the corner transmission (7) and clamp it tight.
- ▶ Clamp the connecting rod into unlocking spring (6).



- |                       |   |
|-----------------------|---|
| 4 Locking unit        | 8 Rod guide (required from free rod length of 600 mm) |
| 5 Additional bracket  |   |
| 7 Corner transmission |   |

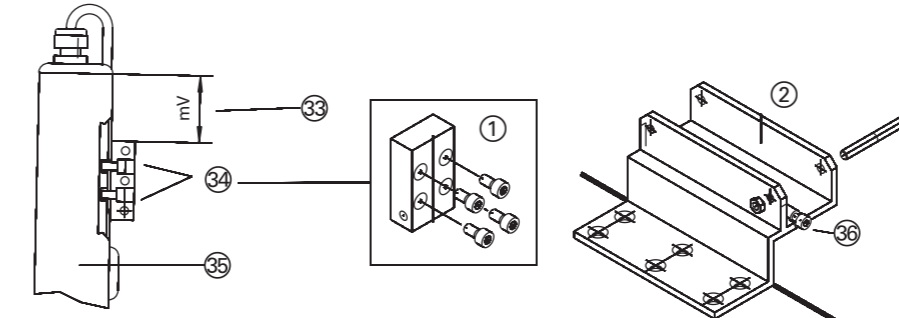
#### Sectional view of the locking unit



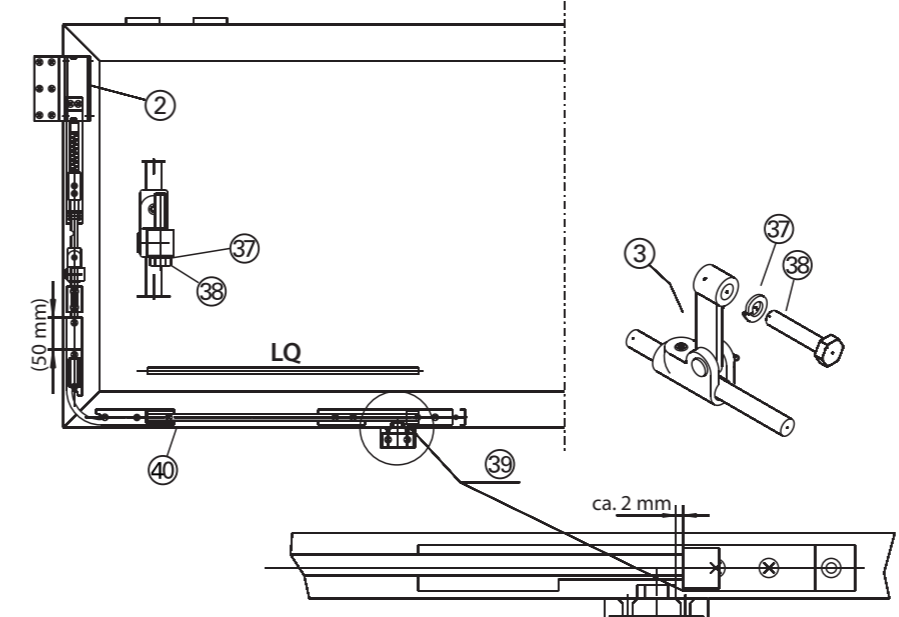
- |                      |  |
|----------------------|--|
| 4 Locking unit       | 21 Additional bracket required for overlap heights up to 12 mm |
| 5 Additional bracket | 31 End cap and cover   |

#### 6.5.4 Mounting the cross bar

- ▶ Shorten the cross bar LQ: LQ = Cross bar length = f1 – 80 – or – LQ = f2 – 83
- ▶ Slide in and tighten cross bar LQ.
- ▶ Mount the lower bracket section (1) on the drive.
- ▶ Lay the cable under the lower bracket section (1) to the electrical drive.
- ▶ Mount the frame bracket (2).



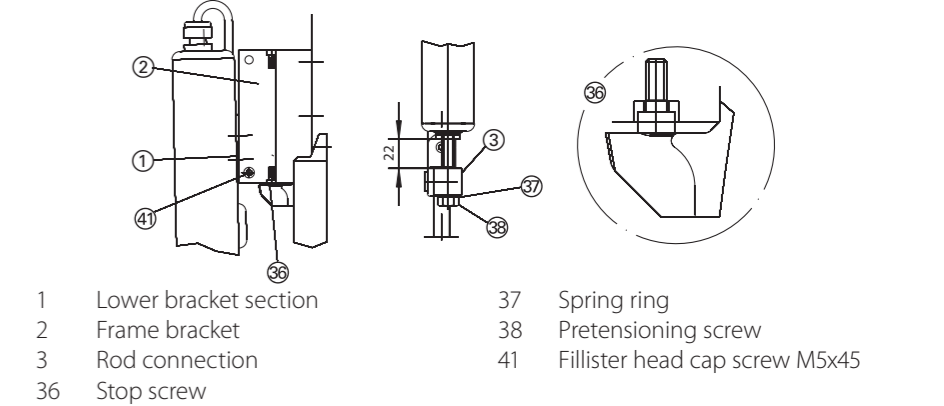
- |                                   |                     |
|-----------------------------------|---------------------|
| 1 Lower bracket section           | 34 4x M5x10         |
| 2 Frame bracket                   | 35 Electrical drive |
| 33 Dimension mv (see Section 6.2) | 36 Stop screw       |



- |                        |  |
|------------------------|--|
| 2 Frame bracket        | 39 Locking component in unlocked state                             |
| 3 Rod connection       | 40 Corner transmission clamping piece in unlocked state flush here |
| 37 Spring ring         |  |
| 38 Pretensioning screw |  |

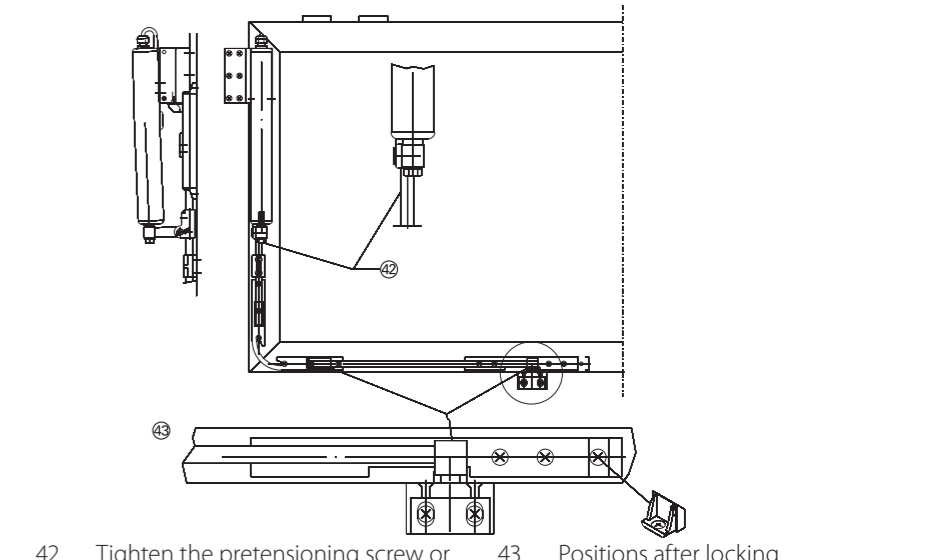
#### 6.5.5 Mounting the electrical drive

- ▶ If possible, use the setting device to extend the spindle by 22 mm, or observe the dimension of 22 mm at the pretensioning screw.
- ▶ Use the fillister head cap screw M4x45 to connect the lower bracket section (1) and frame bracket (2).
- ▶ Lock the opposite end with the hexagon nut.
- ▶ Insert the pretensioning screw M10x50 with spring ring in the rod guide (3).
- ▶ Turn the pretensioning screw into the electrical drive.
  - Observe the dimension of 22 mm (to tension the unlocking spring later)
- ▶ If necessary, regulate the stop screw M4 in the frame bracket (2) (must contact the unlocking spring lug firmly).
- ▶ Tighten all the clamping screws.



- |                         |                                   |
|-------------------------|-----------------------------------|
| 1 Lower bracket section | 37 Spring ring                    |
| 2 Frame bracket         | 38 Pretensioning screw            |
| 3 Rod connection        | 41 Fillister head cap screw M4x45 |
| 36 Stop screw           |                                   |

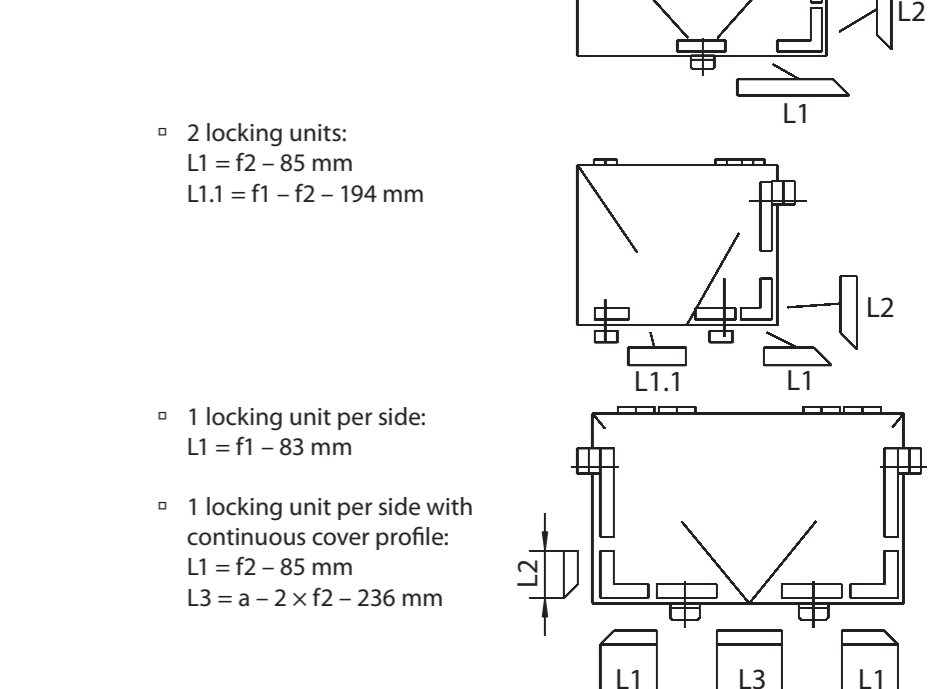
- ▶ Lock the window by tightening the pretensioning screw or, if necessary, by retracting the drive (together always 22 mm).
- ▶ Check the position of the locking unit and correct if necessary.



- |   |                            |
|---|----------------------------|
| 42 Tighten the pretensioning screw or retract the spindle | 43 Positions after locking |
|---|----------------------------|

#### 6.5.6 Mounting the covers


- ▶ Measure out L2 on site in an unlocked state.
  - L2 (approx.) = b + mv – G – stroke – 280 (take into account when ordering)
- ▶ Shorten the cover profile:
  - 1 locking unit: L1 = f1 – 83 mm
  - 2 locking units: L1 = f2 – 85 mm, L1.1 = f1 – f2 – 194 mm

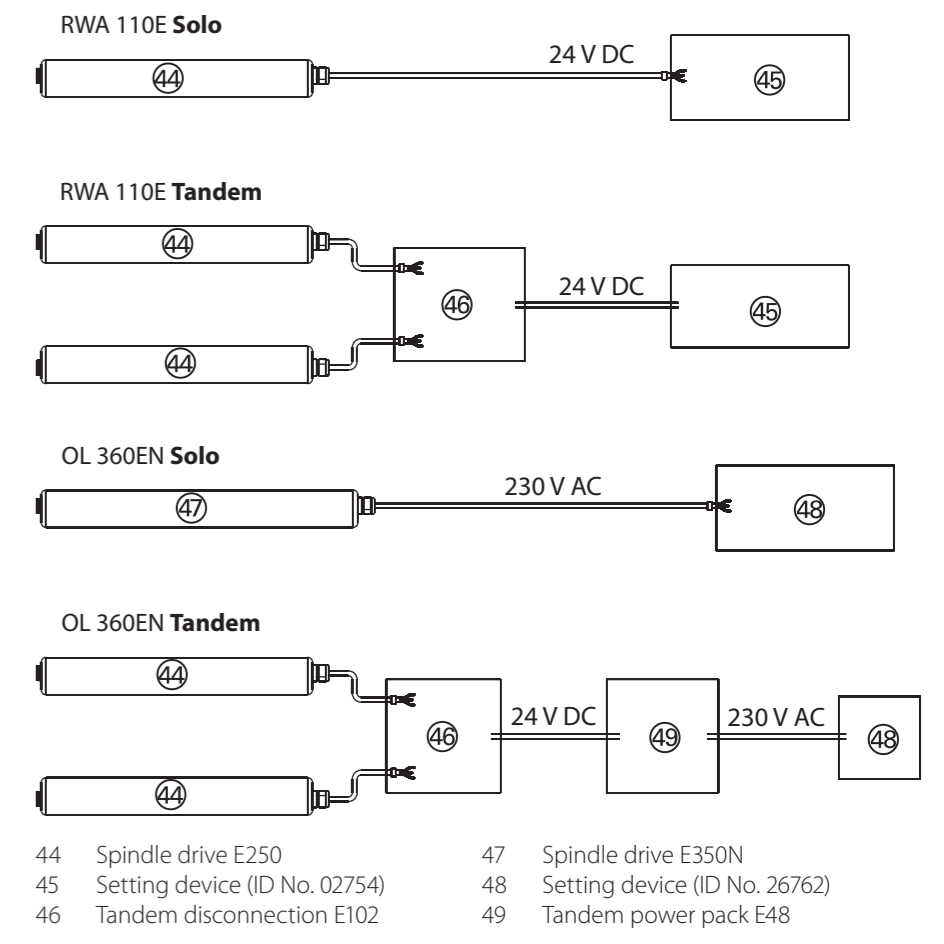


- ▶ If necessary mount the end caps, clip in the locking covers and cover profiles.

### 7 Electrical mounting

- ▶ Connect the system to the power supply (see wiring diagram, included with the electrical drive).
- ▶ Carry out a test run function check using the GEZE setting device (45 or 48) or the emergency power supply unit.

 It is imperative that the fixing screws of the electrical drive, bracket, frame bracket and unlocking spring be tightened.



- |                                  |                                  |
|----------------------------------|----------------------------------|
| 44 Spindle drive E250            | 47 Spindle drive E350N           |
| 45 Setting device (ID No. 02754) | 48 Setting device (ID No. 26762) |
| 46 Tandem disconnection E102     | 49 Tandem power pack E48         |

### 8 Final check

- ▶ Check measures for protecting and avoiding of crushing, impact, shearing and drawing-in spots.
- ▶ Ensure that the fixing screws of the electrical drive and the frame bracket be tightened.

### 9 Regular monitoring, maintenance

- ▶ Maintain the system at least once a year.
- ▶ Check the function.
- ▶ Check the state of the mechanical equipment and power cable.

### 10 Disposal

- The window unit consists of materials that have to be recycled.
- ▶ Sort the individual components in accordance with the type of material:
  - Aluminium (profiles)
  - Iron (screws, etc.)
  - Plastics
  - Electronic components (motor, controller, transformer, relay, etc.)
  - Cables
- The parts can be disposed of at the local recycling station or a scrap processing company.