

Contents

1	About this manual	2
2	Safety	4
3	Product description	5
4	Storage and transport	10
5	Installation preparation	11
6	Installation	18
7	Maintenance and care	24
8	Dismantling and disposal	25

UNIQUIN

electromodule

Mounting instructions

WN 059606 45532/13259

2020-10

EN

1 About this manual

1.1 Information about the manual

This manual describes the mounting of a UNIQUIN electromodule as part of a UNIQUIN partition wall system and includes maintenance and care information.

For the complete installation of the UNIQUIN partition wall system, further unit components and installation manuals may be required as specified in the project-related unit drawing, e.g. for the mounting profile or the door frame system with hinges and overpanel. The illustrated unit components and configurations are an example and do not show every possible installation scenario.

1.2 Other applicable documents

Refer to the following technical documents for the product:

- Project-related unit drawing
- Installation manual for the mounting profile
- Installation manual for the door frame system
- Installation manual for the unit components, enclosed
- UNIQUIN system manual

1.3 Target group

The target group of this installation manual is qualified electricians.

1.4 Symbols used

1.4.1 Safety instructions

Safety instructions are marked with symbols. The safety instructions are introduced by signal words that express the extent of the hazard, e.g.:



CAUTION

This signal word indicates a situation of potential risk, which could lead to minor or slight injury if not averted.



TIPS AND RECOMMENDATIONS

This signal word indicates useful information for efficient and trouble-free operation.

1.4.2 Further labeling

1.**2.**

Step-by-step graphics

1**2**

Position numbers for parts in diagrams

2 Safety

2.1 Intended use

This product is designed as a connection hub to allow installation of grounded sockets and switches in the UNIQUIN door frame system.

The product may only be installed with unit components designed by dormakaba for the installation situation and approved according to the project-related unit drawing.

- The product may only be installed undamaged and in accordance with the requirements of the assembly location.
- The product may only be installed by qualified personnel who correspond to the defined target group.
- The product is only suitable for indoor use.
- The product is suitable for use in tropical countries.

2.2 Foreseeable misuse

- The product is not suitable for installation outdoors.
- The product is not suitable for installation in the vicinity of showers, saunas, swimming and salt-water bath or rooms in which chemicals (e.g. chlorine) are used.



Abb. 1 Not suitable for showers, saunas, baths or salt-water baths

3 Product description

3.1 Example of a UNIQUIN unit

This UNIQUIN unit is an example of a UNIQUIN partition wall system.

Other combinations with different unit components are possible.

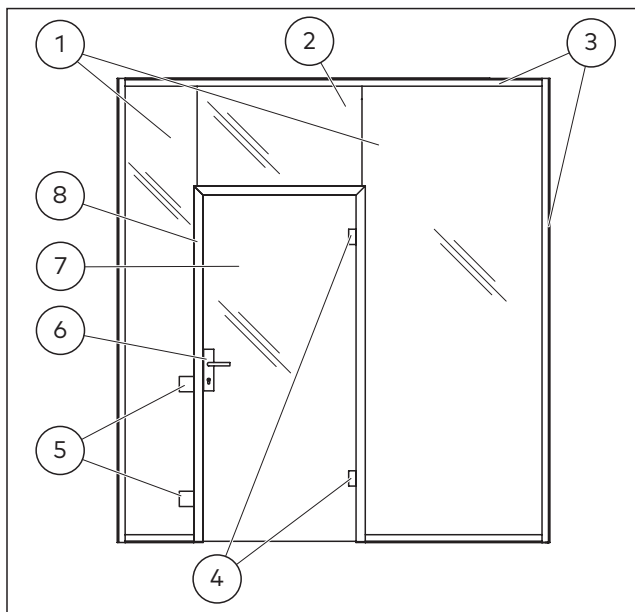


Abb. 2 Example of a UNIQUIN unit

- | | |
|--------------------------------------|-------------------------------|
| (1) Side panel | (5) Electromodule |
| (2) Overpanel | (6) Lock with door handle set |
| (3) Ground profile and cover profile | (7) Door leaf |
| (4) Door hinge | (8) Door frame system |

3.2 Parts included

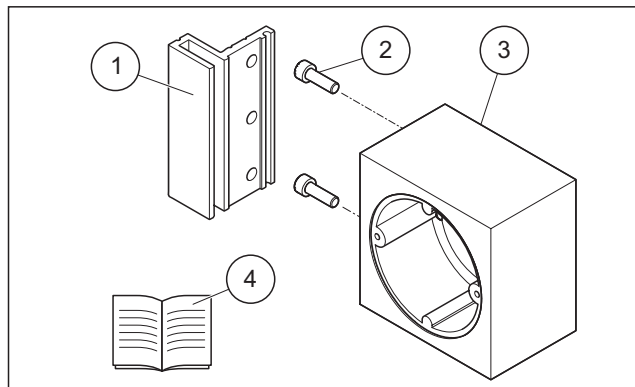


Abb. 3 Parts included with the UNIQUIN electromodule

- (1) Drilling template
- (2) Screws for the electromodule
- (3) Electromodule
- (4) Installation manual

3.3 Example of an installed electromodule on the door frame system

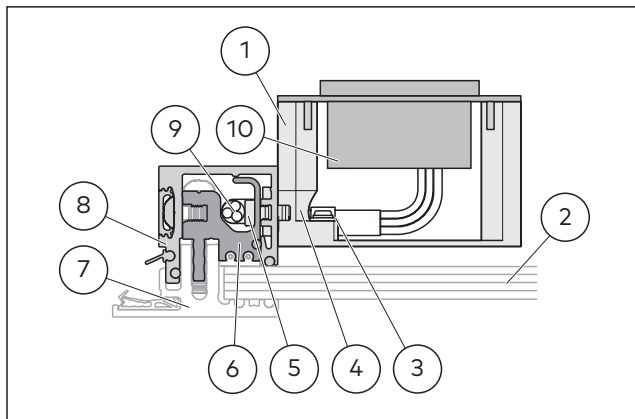


Abb. 4 Example of an installed UNIQWIN electromodule on the door frame system

- (1) Electromodule
- (2) Side panel, e.g., glass
- (3) Strain relief
- (4) Cable bushing
- (5) M5 screw for the electromodule
- (6) Clamping pieces
- (7) Base profile for the door frame
- (8) Cover profile for the door frame
- (9) Cable, max. NYM-J 3x1.5mm²
- (10) Grounded socket, e.g. Gira System 55

3.4 Example of a dual cable configuration in the mounting profile

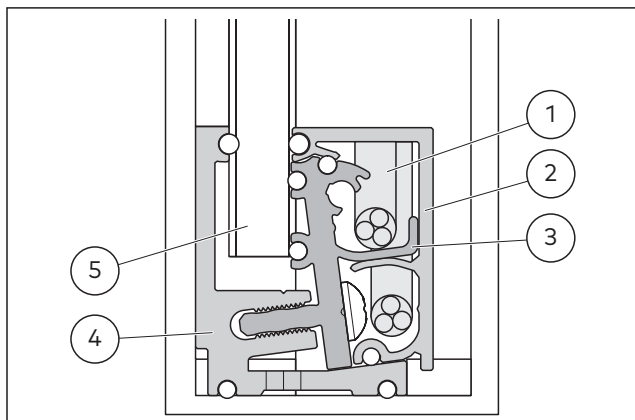


Abb. 5 Example of a dual cable configuration in the mounting profile

- (1) dual cable configuration
- (2) cover profile for the mounting profile
- (3) clamp
- (4) base profile for the mounting profile
- (5) Side panel, e.g., glass

3.5 Example of a dual cable configuration in electromodule

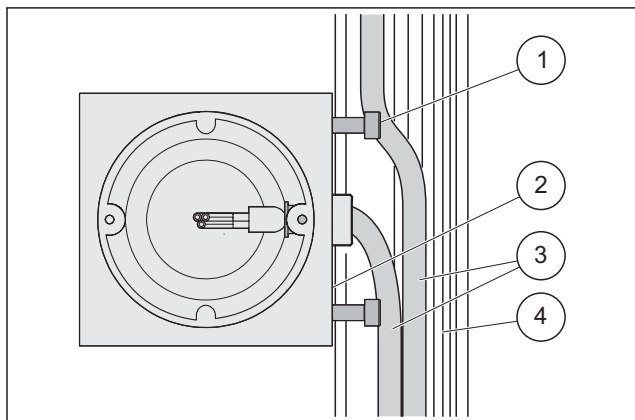


Abb. 6 Example of a dual cable configuration in the door frame system and the electromodule

- (1) M5x16 screw for the electromodule
- (2) Electromodule
- (3) dual cable configuration
- (4) Base profile of door frame system with cable bushing

3.6 Technical information

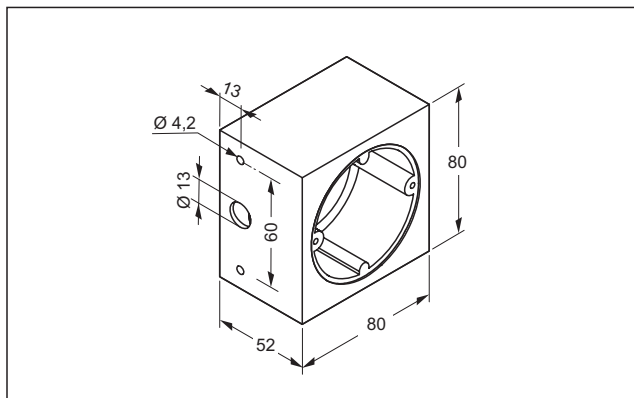


Abb. 7 Dimensions of the UNIQUIN electromodule

4 Storage and transport



ATTENTION

Risk of damage during transport.

Unsecured components may be damaged during transport.

- Secure components adequately during transport.

5 Installation preparation



CAUTION

Risk to life due to electric shock.

Cables that are not isolated can lead to injury through electric shock and fire.

- Disconnect the cable from the mains.
 - Do not trap the cable.
 - Do not route the cable across sharp edges in the mounting profile.
 - Refer to the product-specific requirements in the manual (e.g. the bend radius).
 - The electrical installation must only be carried out by a qualified electrician.
 - Ensure that the cable is not damaged.
-



CAUTION

Risk of injury due to sharp edges.

Contact with cut edges can lead to cuts.

- Wear protective gloves.
 - Deburr cutting edges.
-

5.1 Tools for installation

- Metal saw
- Drill
- Deburring tools, e.g. files
- Hexagonal socket set

5.2 Plan cable routing

Requirements

- The base profile for the mounting profile is installed.
 - The side panels are installed.
 - The local circumstances have been taken into consideration, e.g. connection to an existing mains circuit.
1. Refer to the requirements for the installation position of the electro module (see example, Abb. 8).
 2. Determine the position of the electromodule in the door frame system:
Height of socket 300 mm from floor level
Height of switch box 1030 mm from floor level
 3. Plan the cable routing through the mounting profile and door frame system as required.
 4. When planning the cable routing, take into consideration that the base profiles can accommodate a maximum of 2 cables.

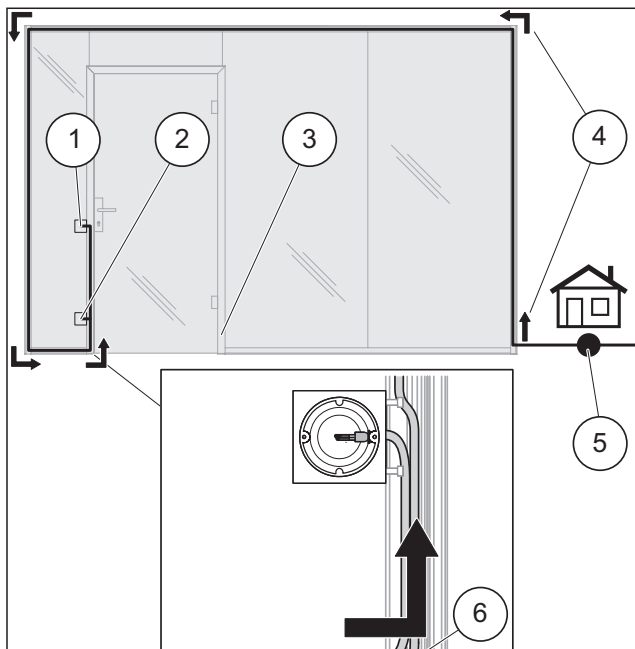


Abb. 8 Example of cable routing through the mounting profile and the door frame profile

- (1) Electromodule on the door frame profile on the opposite side to the hinge, e.g. for a light switch
- (2) Electromodule on the door frame profile on the opposite side to the hinge, e.g. for a grounded socket
- (3) Door frame profile on the hinge side, not suitable for cable routing
- (4) Cable routing in the mounting profile
- (5) Connection to building
- (6) dual cable routing from mounting profile to door frame profile



TIPS AND RECOMMENDATIONS

- The cable cannot be routed on the hinge side through the door frame profile.
 - Plan the wiring so that the cables are routed through the door frame profile from below into the electromodule.
-

5. Plan the required cable bushings, e.g. the transition from the mounting profile to the door frame profile.

→ **The cable routing is planned.**

- 5.3 Preparing the door frame system and mounting profile

Requirements

- The cable routing is planned.
1. Ensure that cables are tension-free and completely free from damage.
 2. If cover profiles are already installed in the area planned for the cable routing, then the cover profiles must be dismantled in accordance with the relevant installation manual, e.g. cover profile for the mounting profile.
 3. Mark the required cable bushing points on the inside of the dismantled cover profiles.



TIPS AND RECOMMENDATIONS

The recess that may already have been cut out during installation of the mounting profile with dimensions 15 mm x 15 mm is not sufficient for the cable bushing.

4. Cut out the recesses on the cover profiles as required, e.g. for joint mounting (Abb. 9).
5. Deburr all edges using the correct methods.

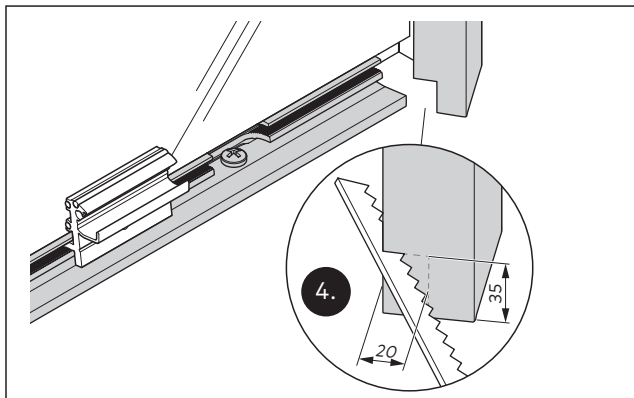


Abb. 9 Cut out a recess for the cable bushing on the door frame and mounting profile, e.g. on the vertical cover profile of the mounting profile.

6. If there are no pre-drilled holes for the electromodule, mark the required drill holes on a cover profile for the door frame with the drilling template (Abb. 10).

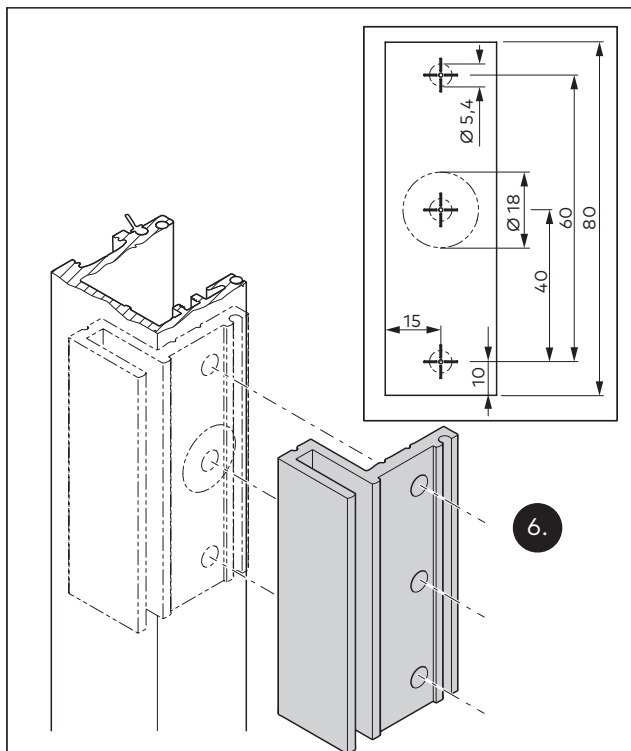


Abb. 10 Mark the required drill holes on a cover profile for the door frame with the drilling template.

7. If applicable remove the silicone seals from the cover profile for the door frame.
8. Drill and deburr the external drill holes through both sides of the cover profile according to the planned cable routing using the correct methods with a metal drill.

9. Increase the size of the drill holes on the opposite side to a diameter of 10 mm and deburr them (Abb. 11).

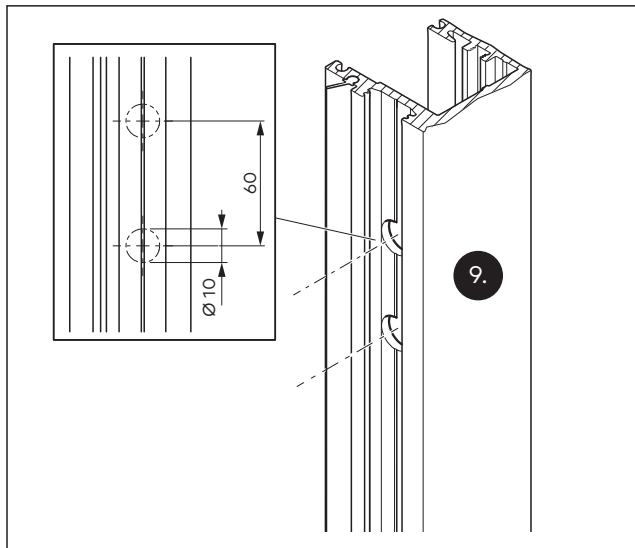


Abb. 11 Increasing the size of the pre-drilled holes for the UNIQVIN electromodule on the opposite side



TIPS AND RECOMMENDATIONS

The pre-drilled holes on the opposite side have to be made larger so that the electromodule can be fixed in place from the opposite side with screws.

10. Drill and deburr the central drill hole on the installation side of the cover profile only for cable routing.
11. Ensure that the entire cable route has been deburred and is free from sharp edges.
→ **The installation preparation is completed.**

6 Installation



CAUTION

Risk of electric shock due to non-isolated cable.

Cables that are not isolated can lead to injury through electric shock and fire.

- Disconnect the cable from the mains.
 - Do not trap the cable.
 - Do not route the cable across sharp edges in the mounting profile.
 - Refer to the product-specific requirements in the manual (e.g. the bend radius).
 - The electrical installation must only be carried out by a qualified electrician.
 - Ensure that the cable is not damaged.
-

**CAUTION****Risk of injury due to sharp edges.**

Contact with cut edges can lead to cuts.

- Wear protective gloves.
 - Protect cut edges against accidental contact.
-

Requirement

- The installation preparation is completed.
- The cable is voltage-free.

6.1 Installing the electromodule

1. Align the electromodule to the intended cable bushing (Abb. 12).
2. Fix the electromodule in place on the cover profile for the door frame from the opposite side using screws.

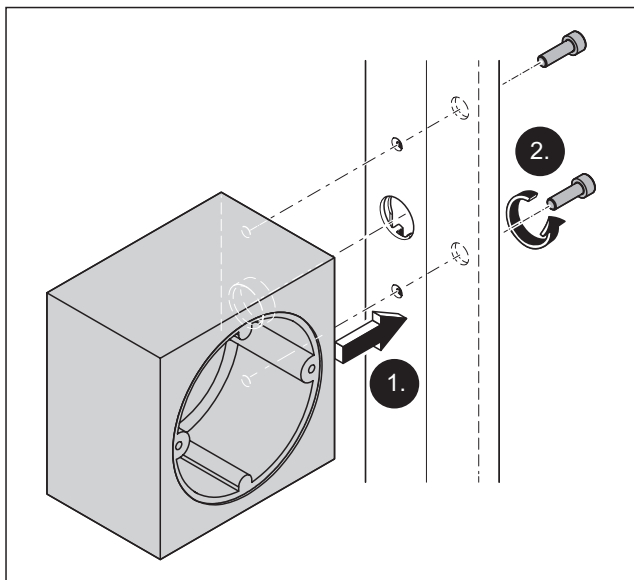


Abb. 12 Fixing the electromodule in place on the cover profile for the door frame

6.2 Carrying out the electrical installation

Requirement

- The electromodule is installed.
1. Install the cable according to the planned cable routing e.g. through the mounting profile and the door frame system (Abb. 13).

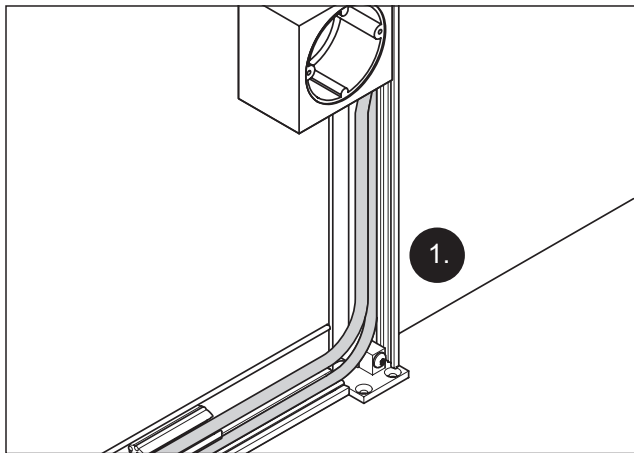


Abb. 13 Example of a cable installed according to the planned cable routing through the clamping piece in the door frame system



TIPS AND RECOMMENDATIONS

Install the cable in the mounting profile through the clamps in the same way as through the clamping pieces in the door frame system.

2. Route the cable through the cover profile for the door frame into the electromodule (Abb. 14).
3. Attach the cover profile for the door frame with the electromodule and secure to the clamping pieces.

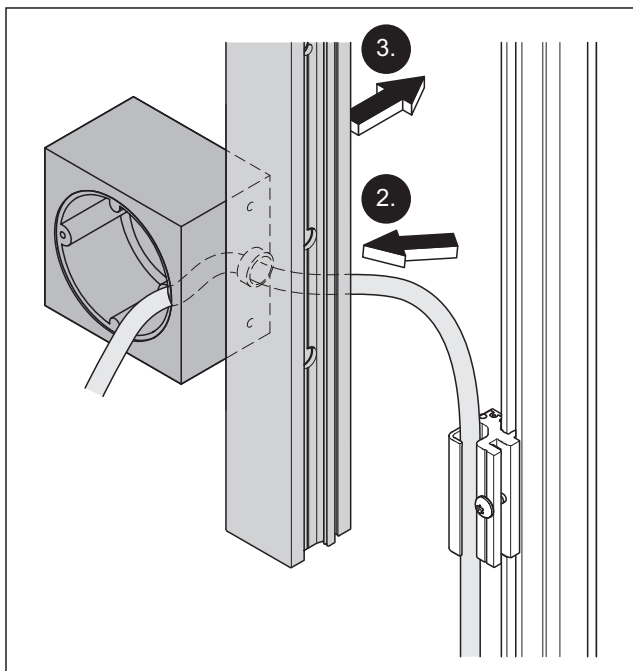


Abb. 14 Insert the cable through the cover profile into the electromodule and secure the cover profile for the door frame

4. Attach the silicone seals onto the cover profiles for the door frame again if applicable.
5. Connect the ground conductor for the installed cables to the intended product using the correct methods (Abb. 15).

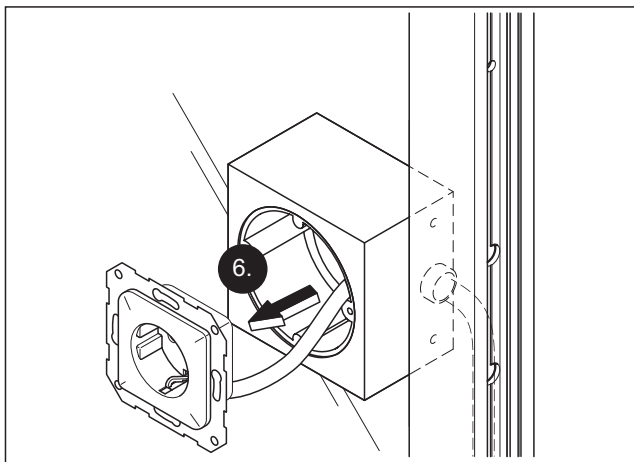


Abb. 15 Connect the cable to the intended product, e.g. to a grounded socket.

6. Connect the cable with the intended product according to the relevant installation manual.
7. Mount the intended product onto the electromodule
8. Install the cables according to the planned cable routing in the mounting profile up to the point of connection to the building using the correct methods.
9. Mount the cover profile for the mounting profile according to the installation manual.

10. Ensure that the electrical installation is additionally protected with an RCD protector (according to DIN VDE 0100-410:2007-06) as well as the circuit breaker.
11. Complete the electrical installation on site before commencing operation and check according to DIN VDE 0100-600:2017-06.
12. Operate the installed product according to the installation and operation manual.
→ **Installation of the electromodule is completed.**

7 Maintenance and care

7.1 Maintenance instructions

The product is largely maintenance-free.

1. Refer to the maintenance instructions for all unit components.
2. Refer to the system manual.

7.2 Cleaning instructions

Only use suitable cleaning and care products to clean the surfaces.

8 Dismantling and disposal

Dismantling is carried out in the reverse order of the installation manual instructions and must be done by qualified personnel. Refer to the relevant national standards and guidelines for disposal.

Dispose of the product in an environmentally friendly manner.



Electronic parts and batteries must not be disposed of with domestic waste.

Use designated acceptance and collection points to dispose of electronic parts and batteries.

Refer to the statutory regulations for your country.

UNIQUIN Installation Anim. EN

