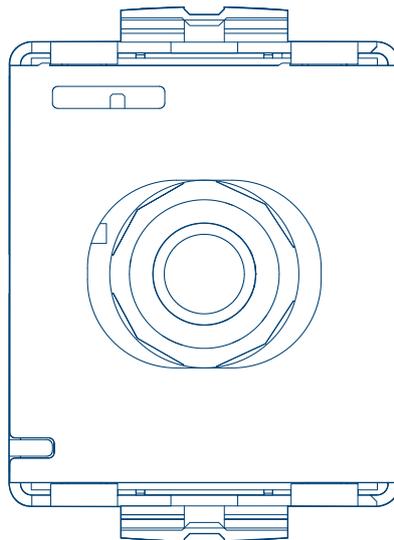


Assembling and installation instructions

# Switches and systems

## LED module



LED module for rotary switch/spring-return push  
button with N-contact

**WDA2535W**

CE

**:hager**

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# 1 Safety instructions

Electrical devices may only be installed and assembled by a qualified electrician in accordance with the relevant installation standards, guidelines, regulations, directives, and safety and accident prevention regulations of the country of installation.

Failure to comply with these installation instructions may result in damage to the device, fire or other dangers.

## 2 Design and layout of the device

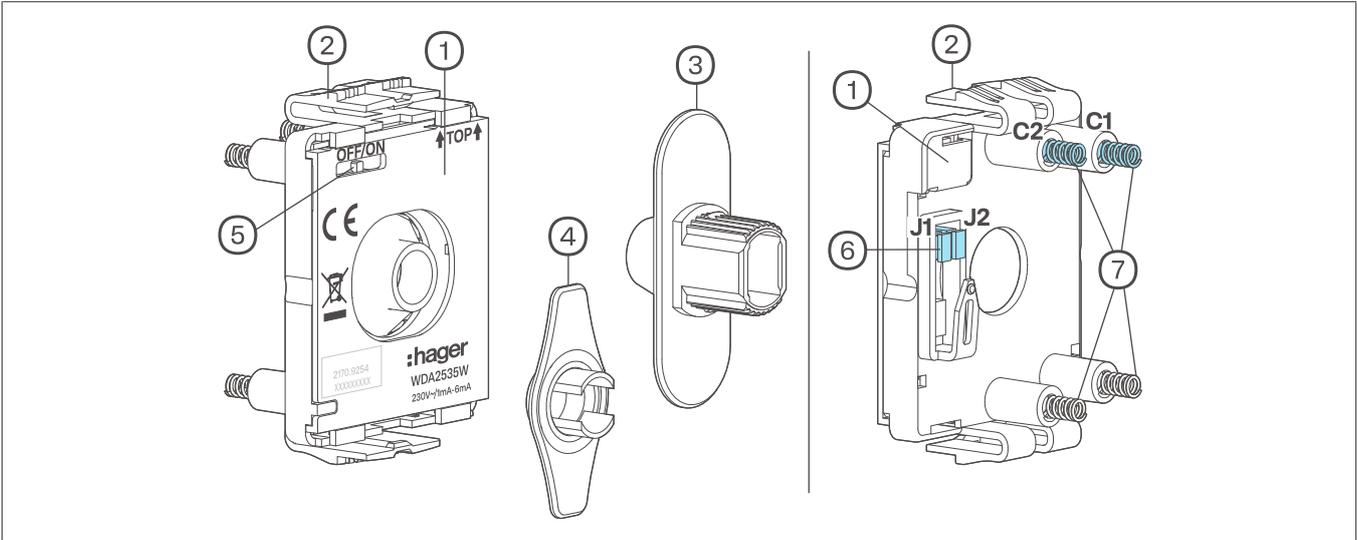


Fig. 1: LED module

- ① LED module
- ② Securing clips
- ③ Light conductor for R.classic
- ④ Light conductor for Serie 1930
- ⑤ Selection switch for orientation lighting
- ⑥ Jumper for status indicator (J1, J2)
- ⑦ Contact springs

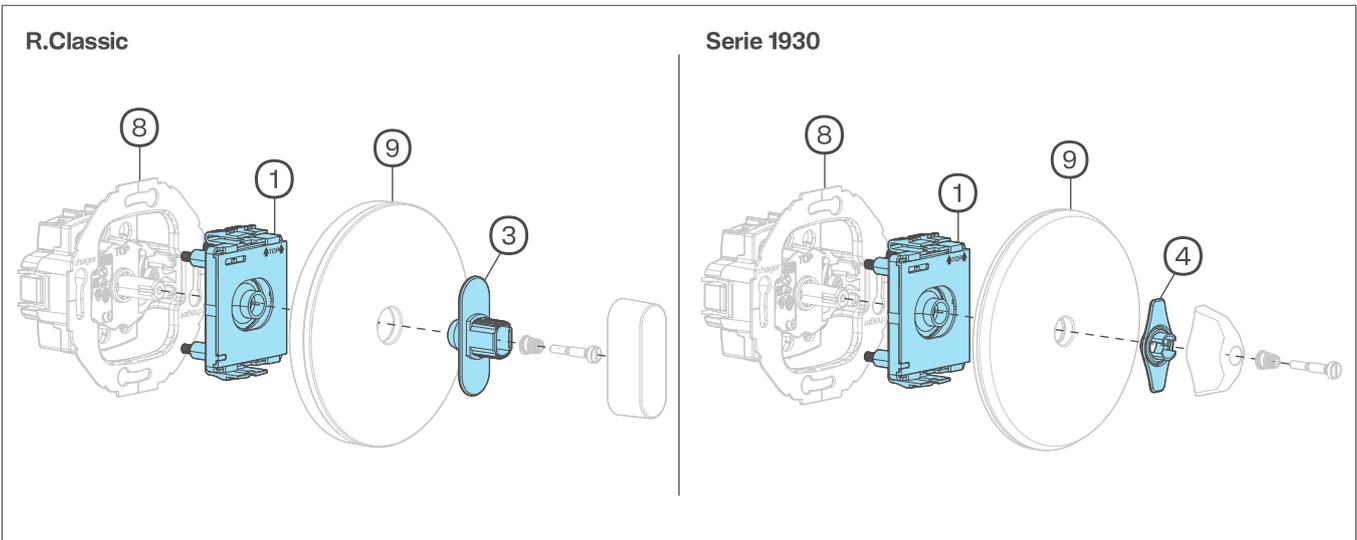


Fig. 2: Final installation for R.classic/Serie 1930

- ⑧ Rotary switch/spring-return push button<sup>[1]</sup>
- ⑨ Cover plate<sup>[1]</sup>

<sup>[1]</sup> Not included in the scope of delivery!

## **3 Function**

The light conductor casts the contours of the rotary toggle in a homogenous light. The configuration can be varied to provide constantly lit orientation lighting (cold white) or to display the switching status of the connected lighting (warm white).

### **Correct use**

- To be snapped onto rotary switch/spring-return push button for the purpose of lighting or status display
- Only for use in indoor areas free of dripping and splashing water

### **3.1 Product characteristics**

- The modules snap on and make contact easily without the need for additional wiring.
- Differentiation between constant lighting (for orientation purposes) and status display via light colour
- Selection switch for easy activation/deactivation of constant lighting (orientation lighting) [\(5\)](#)

# 4 Operation

### Activate/deactivate orientation lighting via the selection switch

Use the selection switch (5) on the front of the LED module to set whether permanent orientation lighting is to be activated.

- Slide the switch to the **ON** (default on delivery) or **OFF** position.  
The selected lighting option is activated.

## 5 Installation and electrical connection



### Danger

Electric shock when live parts are touched!

An electric shock can lead to death!

- Disconnect all connection cables before working on the device and cover any live parts in the area!

### Function of the jumpers

Use the jumpers (6) to set whether the status of the lighting is displayed.



### Status display S

When the lighting is on, the module lights up warm white. To use the module for status display purposes, connect the N-conductor to the switch.

Jumper J1 is assigned to contact spring B, jumper J2 is assigned to contact spring A.

If a current flows via the associated switching contact on the rotary switch (Fig. 3), the LED module displays the status in warm white light colour.

### Configuration options

				Jumper J1	Jumper J2
WDE387603			ON	-	-
			ON		-
			OFF		-
WDE387503			OFF	-	
			ON	-	-
WDE387503			ON	-	-
			ON		-
			OFF		-
WDE389303			ON	-	-
			ON		-
			OFF		-
WDE384603			ON	-	-

Table 1: Settings on the LED module depending on the application field

 Orientation light

 Status indicator

<sup>[1]</sup> 1x jumper connected, note contact spring/switching contact assignment

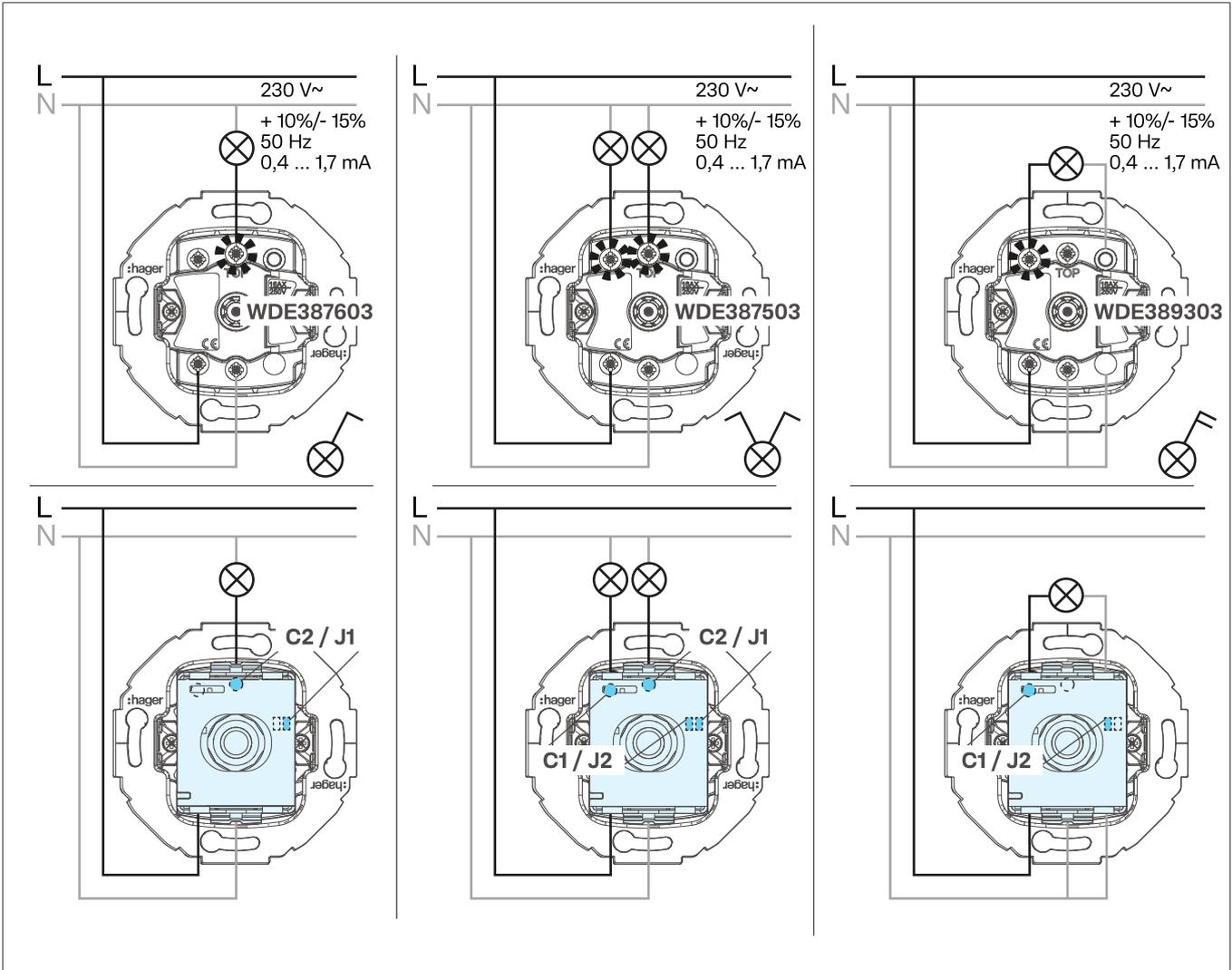


Fig. 3: Electrical connection of rotary switches with LED module

## Installing LED module and light conductor

- The rotary switch is mounted and connected.



Before snapping the LED module into the supporting ring, configure the lighting by setting the jumpers on the rear side (Tab. 1).

For the status display, the N-conductor must be connected to the switch (Fig. 3).

- 1 Lever the centring sleeve (10) away from the rotary axis using the slotted screwdriver.

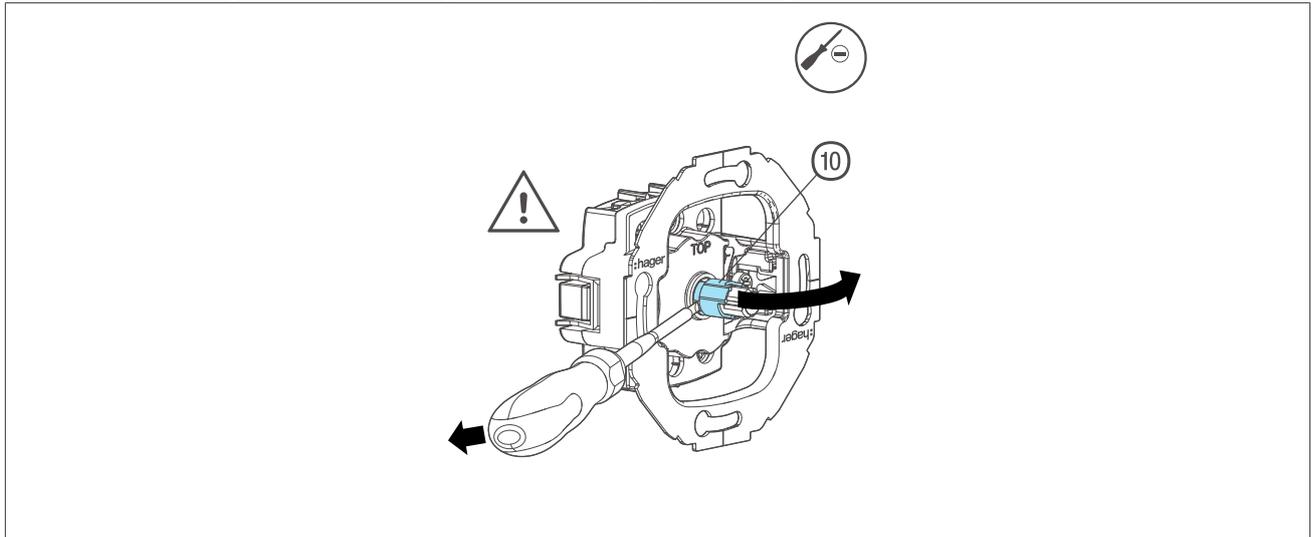


Fig. 4: Removing the centring sleeve

⑩ Centring sleeve<sup>[1]</sup>

<sup>[1]</sup> Not included in the scope of delivery!

- 2 Snap the LED module (1) into the rotary switch/spring-return push button (8). The **TOP** marking must be at the top.
- 3 Attach the cover plate (9) or fit the frame and centre piece.
- 4 Attach the light conductor (3).
- 5 Attach the spring, screw and toggle in succession and secure the cover plate or frame and centre piece.

### Dismantling the LED module

- Insert a screwdriver into each of the recesses at the top and bottom (11) and carefully lever out the LED module.

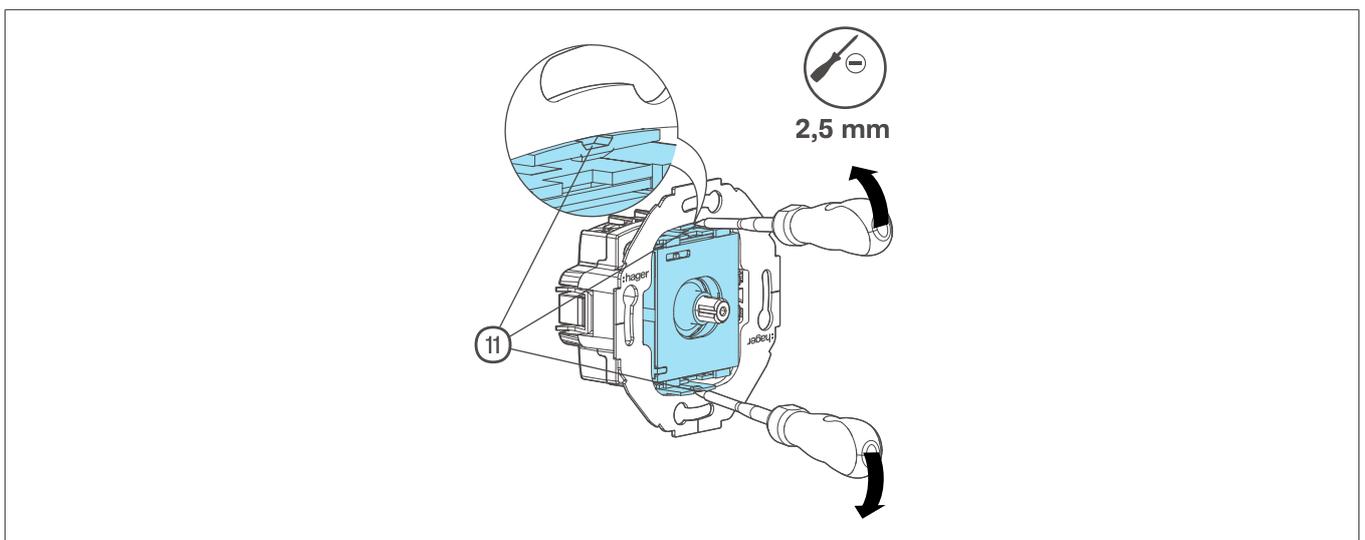


Fig. 5: Removing the LED module

⑪ Recess for lever

## 6 Appendix

### 6.1 Troubleshooting

#### Cannot attach LED module

**The centring sleeve (10) is still attached to the rotary axis of the switch.**

- 💡 – Loosen and remove the centring sleeve on the rotary axis (Fig. 4).

#### Cannot attach cover plate

**The light conductor (3) is attached directly to the LED module.**

- 💡 – Pay attention to the assembly sequence (Fig. 2). Install the cover plate (9) first and then the light conductor (3).

#### Orientation and status indicators do not light up as expected.

**The jumpers have been connected incorrectly.**

- 💡 – Always attach the jumpers vertically as shown (Fig. 1). Install the cover plate (9) first and then the light conductor (3).
  - Attach the jumpers according to the assignment of the contact springs to the switching contacts (Tab. 1).

### 6.2 Technical data

Nominal voltage	230 V~, +10 %/-15 %
Rated frequency	50 Hz
Rated current	0.4 mA
Power consumption:	
- Standby	0.4 W
- Cold white lighting	0.7 W
- Warm white lighting	0.5 W
LED colour temperature:	
- Cold white	5500...7500 K
- Warm white	2750...3250 K
Relative humidity	Max. 95 % at 20 °C
Operating temperature	-5 ... +45°C
Storage/transport temperature	-20 ... +60°C

## 6.3 Disposal note

### Disposal note



Correct disposal of this product (electrical waste).

#### **(Applicable in the European Union and other European countries with separate collection systems)**

This marking shown on the product or its documentation indicates that it should not be disposed of with other household waste at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this device from other types of waste. Recycle the device responsibly to promote the sustainable reuse of material resources.

Household users should contact either the dealer where they purchased this product, or their local government office, for details of where and how they can take this device for environmentally safe disposal.

Commercial users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial waste for disposal.



**Berker GmbH & Co. KG**

Zum Gunterstal

66440 Blieskastel

Germany

T +49 6842 945 0

F +49 6842 945 4625

info@hager.com

**hager.com**