

**Push button sensor 3 basic 1-gang F100**

Order-No. : 2021 xx

**Push button sensor 3 basic 2-gang F100**

Order-No. : 2022 xx

**Push button sensor 3 basic 3-gang F100**

Order-No. : 2023 xx

**Push button sensor 3 comfort 1-gang F100**

Order-No. : 2031 xx

**Push button sensor 3 comfort 2-gang F100**

Order-No. : 2032 xx

**Push button sensor 3 comfort 3-gang F100**

Order-No. : 2033 xx

**Push button sensor 3 comfort 4-gang F100**

Order-No. : 2034 xx

**Push button sensor 3 comfort 4-gang (2+2) F100**

Order-No. : 2035 xx

**Operating instructions**

**1 Safety instructions**

Electrical equipment may only be installed and fitted by electrically skilled persons.

Failure to observe the instructions may cause damage to the device and result in fire and other hazards.

These instructions are an integral part of the product, and must remain with the end customer.

**2 Device components**

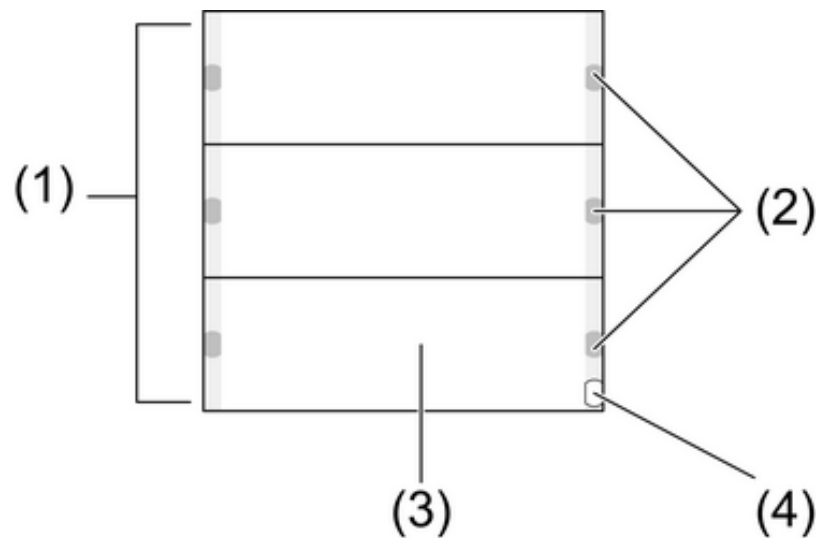


Figure 1

(1) Operating rocker

(2) Status LED

(3) Inscription panel

(4) Operation LED

## 3 Function

### System information

This device is a product of the KNX system and complies with the KNX directives. Detailed technical knowledge obtained in KNX training courses is a prerequisite to proper understanding.

The function of this device depends upon the software. Detailed information on loadable software and attainable functionality as well as the software itself can be obtained from the manufacturer's product database. Planning, installation and commissioning of the device are carried out with the aid of KNX-certified software. The latest versions of product database and the technical descriptions are available on our website.

### Intended use

- Operation of loads, e.g. light on/off, dimming, blinds up/down, brightness values, temperatures, calling up and saving light scenes, etc.
- Installation in appliance box to DIN 49073

### Product characteristics

- The pushbutton functions switching, dimming, controlling blinds, valuator, calling up moods, etc.
- Two status LEDs per operating rocker, which can be switched together or separately according to the equipment and programming
- Operating LED as orientation light
- Push button sensor comfort: Three colour status LED (red, green, blue). Five brightness levels for status LED and operation LED

## 4 Operation

### Operating a function or load

Push button sensor basic: Each operating rocker is divided into two halves, with a function assigned to each of them. Operation depends on the specific function.

Comfort push button sensor: Depending on the programming, a control rocker can have up to three functions assigned to it – left, right, entire surface. Operation depends on the specific function.

- Switch: Short press on button.
- Dim: Long press on the button. The dimming process ends when the button is released.
- Move Venetian blind: Long press on button.
- Stop or adjust Venetian blind: Short press on button.
- Call up light scene: Short press on button.
- Save light scene: Long press on button.
- Set value, e.g. brightness or temperature setpoint: Short press on button.

## 5 Information for electrically skilled persons

### 5.1 Fitting and electrical connection



#### **DANGER!**

**Electrical shock on contact with live parts in the installation environment.  
Electrical shocks can be fatal.**

**Before working on the device, disconnect the power supply and cover up live parts in the working environment.**

Mounting and connecting the device

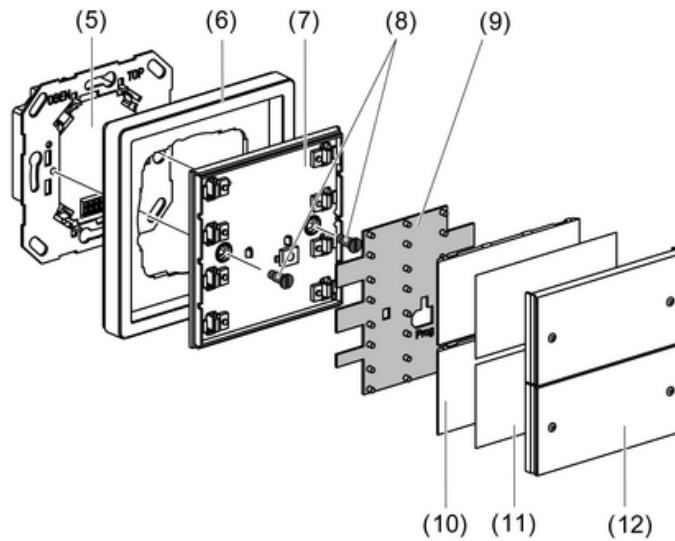


Figure 2

- (5) Bus coupler 3
- (6) Frame
- (7) Push button sensor
- (8) Locking screws
- (9) ESD protection mat
- (10) Rocker support
- (11) Inscription panel
- (12) Rocker cover

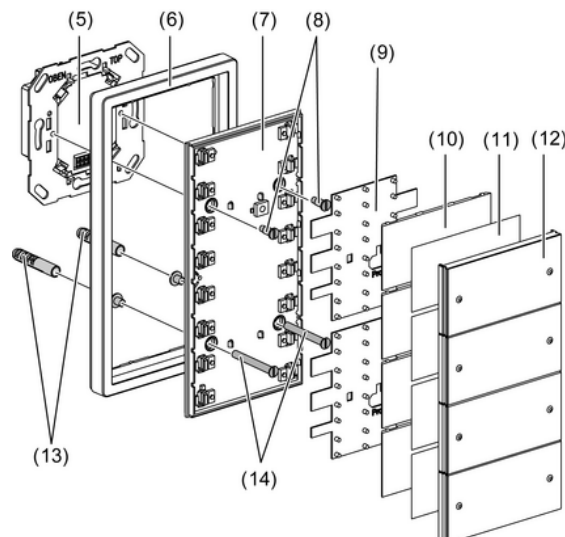


Figure 3

The bus coupler 3 is connected to the bus and mounted in an appliance box.

**i** Use only bus coupler 3 – without a programming button. It is not possible to combine it with other bus couplers.

Mount the double-height push button sensors on two appliance boxes with a second support ring (see chapter 6.2. Accessories). For mounting on an appliance box, use the enclosed screw/anchor set.

- Carefully remove the rocker support (10) and the rocker covers (12) from the push button sensor (7).
- Attach the frame (6) to the bus coupler (5).
- Carefully attach the push button sensor (7) to the bus coupler (5).
- Screw the push button sensor to the support ring of the bus coupler module. To do this, use the locking screws (8) provided.
- Screw the double-height push button sensors to the lower support ring or the anchors (13). Use the screws (14) provided.
- If possible load the physical address into the device before final mounting (see chapter 5.2. Commissioning).
- If necessary, label the inscription signs (11).
- Lock the rocker support (10), inscription signs (11) and rocker covers (12) onto the push button sensor.

## 5.2 Commissioning

### Loading the physical address and application software

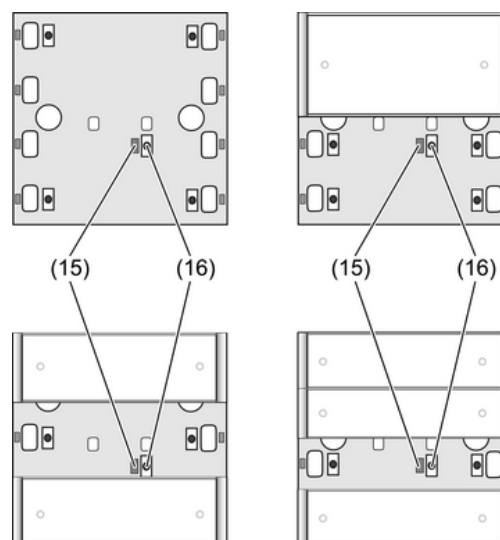


Figure 4

(15) Programming LED

(16) Programming button

The programming button and LED are located under the rocker covers (Figure 4).

The rocker cover (12) and rocker support (10) over the programming button are dismantled.

- ❗ If the device does not receive any application software, or the wrong application software, then the operation LED (4) flashes.
  - Press the programming button (16).  
The programming LED (15) lights up.
  - Assign physical address.  
The programming LED goes out.
  - Load the application software into the device.
  - Mount the rocker support (10), inscription panel (11) and rocker cover (12).

## 6 Appendix

### 6.1 Technical data

KNX medium	TP 1
Commissioning mode	S-mode
Rated voltage	DC 21 ... 32 V SELV (Via bus coupler 3)
Power consumption	typical 150 mW (Via bus coupler 3)
Connection mode	10 pole male connector strip
Safety class	III
Ambient temperature	-5 ... +45 °C
Storage/transport temperature	-20 ... +70 °C

### 6.2 Accessories

Second support ring	Order-No. 1127 00
Inscription sheet (9x)	Order-No. 2871 ..
Inscription sheet (21x)	Order-No. 2872 ..
Inscription sheet (33x)	Order-No. 2873 ..
Inscription sheet (48x)	Order-No. 2874 ..
Bus coupler 3	Order-No. 2008 00

### 6.3 Warranty

The warranty is provided in accordance with statutory requirements via the specialist trade.

Please submit or send faulty devices postage paid together with an error description to your responsible salesperson (specialist trade/installation company/electrical specialist trade). They will forward the devices to the Gira Service Center.

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