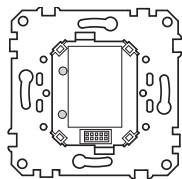


Flush-mounted module for multifunction push-button with room temperature control unit

Operating instructions



Art. no. MTN623299

For your safety



DANGER

Risk of fatal injury from electrical current.

All work carried out on the device may only be performed by skilled electricians. The country-specific regulations and the valid KNX guidelines must be followed.



CAUTION

Safety clearance must be guaranteed as per DIN EN 60644-1. A distance of at least 4 mm must be maintained between individual cores of the 230 V cable and the KNX line.

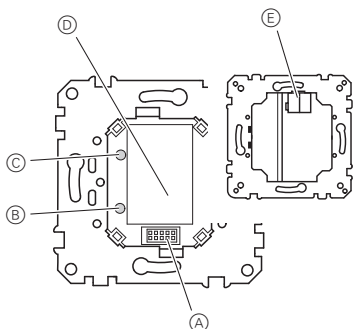
Getting to know the flush-mounted module

The flush-mounted module for multifunction push-buttons with room temperature control units (referred to below as the **flush-mounted module**) is the basic unit for bus multifunction push-buttons with room temperature control units with flush-mounted application interfaces (PEI).

The application interface can be used for connecting application modules. This version of the device has a particularly flat design. The flush-mounted module contains the necessary system software in its built-in microprocessor. The flush-mounted module safeguards communication within the bus system, e.g. the transmitting and receiving of telegrams as well as collision detection (CSMA/CA).

An integrated, stabilised power supply guarantees the supply to the microprocessor, its peripheral devices and the application module.

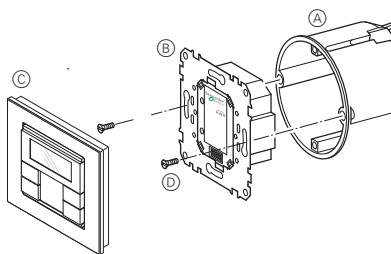
Connections, displays and operating elements



- (A) Application interface, 10-pole
- (B) Buttons for programming the physical address
- (C) Red LED: Checking the programming process
- (D) Labelling field for displaying the physical address
- (E) Bus connecting terminal, max. 4 core pairs

How to install the flush-mounted module

The flush-mounted module is to be installed in a 60 mm flush-mounted box. The retaining ring is to be installed with two screws to the flush-mounted socket. Installation via claws is not possible.



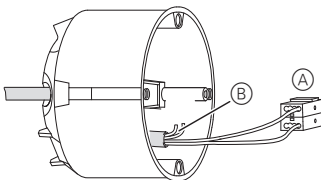
- (A) Flush-mounted socket
 - (B) Retaining ring
 - (C) Operating/display element
 - (D) Screws
- ① Install the flush-mounted module in a flush-mounted socket at least 40 mm deep.
 - ② Attach the retaining ring (B) to the socket (A) with two screws (D).



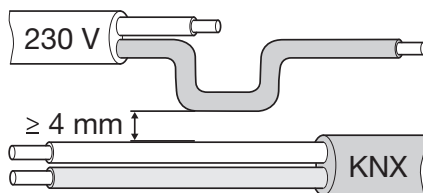
DANGER

Risk of fatal injury from electrical current.

Do not insert terminals when energised.



- ③ Connect the red bus wire to the red terminal (+) and the black one to the dark grey terminal (-).
- ④ Insulate the screen and the stability wire as well as the white and yellow core of the bus line (B) and place them in the flush-mounted socket (deep wall socket, \varnothing 60 mm).
- ⑤ Connect the KNX.



WARNING

Risk of fatal injury from electrical current. The device could become damaged

The Safety clearance must be guaranteed as per DIN EN 60644-1. A distance of at least 4 mm must be maintained between individual cores of the 230 V cable and the KNX line.

Technical data

Nominal voltage:	DC 24 V (+6V/-3V)
Power loss:	100 mW (max. 150 mW)
Power consumption:	approx. 3 mA (max. 7 mA)
Reverse voltage protection:	integrated; the device is not operational when polarity is reversed
Data transmission rate:	9.6 kbit/s
Behaviour on bus voltage failure:	below DC 21 V, the bus coupler disconnects itself from the bus; volatile data can be recovered
Connections	
Bus:	two 1 mm pins for bus connecting terminal
Application module:	10-pole socket connector
Ambient temperature	
Operation:	-5°C to +45°C
Storage:	-25°C to +55°C
Transport:	-25°C to +70°C
Max. humidity:	93%, no moisture condensation
Operating elements:	Programming button
Display elements:	Red LED for checking the programming
Dimensions:	71 x 71 x 23 mm (HxWxD)
EC guidelines:	89/336/CEE

Schneider Electric Industries SAS

If you have technical questions, please contact the Customer Care Center in your country.

www.schneider-electric.com

This product must be installed, connected and used in compliance with prevailing standards and/or installation regulations. As standards, specifications and designs develop from time to time, always ask for confirmation of the information given in this publication.