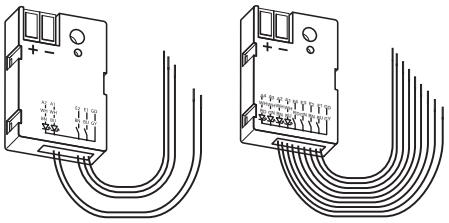
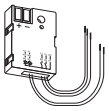
GB

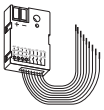
Push-button interface plus

Operating instructions





Push-button interface 2-gang plus
Art. no. MTN670802



Push-button interface 4-gang plus
Art. no. MTN670804

For your safety

DANGER
Risk of fatal injury from electrical current.
All work on the device should only be carried out by trained and skilled electricians. The country-specific regulations and the valid KNX guidelines must be followed.

CAUTION
The device could become damaged.
- Only operate the device according to the specifications stated in the Technical data.
- High voltages can cause damage. Never connect the device to 230 V!

Push-button interface introduction

The push-button interface for KNX has two (art. no. MTN670802) or four (art. no. MTN670804) inputs and outputs. The inputs can be used to establish binary statuses (via floating contacts) and the outputs can be used to activate control lamps (low current LEDs).

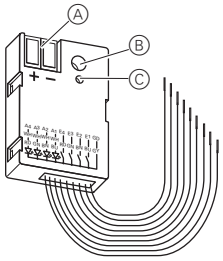
For example, by connecting floating push-buttons or switches to the inputs, you can use the KNX to perform a range of functions including switching, dimming, operating blinds and retrieving scenes, etc.

To check statuses, you can connect control lamps (low current LEDs, e.g. in the switch) to the outputs and activate them via KNX.

The contact supply voltage (SELV) for the connected buttons/switches and the control lamps comes from the push-button interface.

The push-button interface has a bus coupler.

Operating and display elements



Ⓐ Bus connection
Ⓑ Programming button
Ⓒ Programming LED

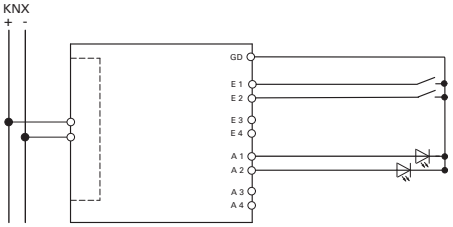
Push-button interface installation

① Mount the push-button interface in
- a flush-mounted box at least 40 mm deep,
- a cavity wall installation box (Ø = 60 mm),
- a junction box.

② Connect inputs to a floating push-button or switch (see connection example).

③ Connect outputs to control lamps (low-current LEDs) in the push-button or switch (see connection example).

Connection example:

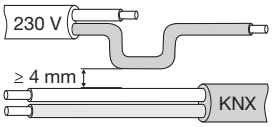


Colour coding of the incoming cables

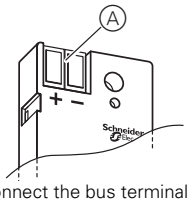
GD	grey:	Reference potential (GD)
E1	blue:	Input 1
E2	brown:	Input 2
E3	green:	Input 3 *
E4	red:	Input 4 *
A1	white/blue:	Output 1
A2	white/brown:	Output 2
A3	white/green:	Output 3 *
A4	white/red:	Output 4 *

* (only art. no. MTN670804)

WARNING
Risk of fatal injury from electrical current.
The device could be damaged.
Safety clearance must be guaranteed in accordance with IEC 60664-1. There must be at least 4 mm between the individual cores of the 230 V supply cable and the KNX line.



④ Connect the bus wires to the bus connecting terminal.



⑤ Connect the bus terminal to the bus connection Ⓐ.

Putting push-button interface into operation

① Press the programming button.

The programming LED lights up.

② Load the physical address and the application into the device from the ETS.

The application was loaded successfully, the device is ready for operation.

Technical data

Initialisation:	The push-button interface is only ready for operation after at least 17 seconds after a bus voltage failure or a bus reset.
Power supply from bus:	DC 24 V/< 10 mA
Inputs	
Use:	connection of floating contacts
Contact resistance:	< 500 Ω (with closed contact)
Outputs	
Use:	connection of low-current LEDs (< 1 mA)
Contact voltage V_K:	< 3 V (SELV)
Contact current:	< 0.5 mA
Ambient temperature	
Operation	-5 °C to +45 °C
Storage	-25 °C to +55 °C
Transport	-25 °C to +70 °C
Max. humidity:	93 % relative humidity, no moisture condensation
Environment:	The device is designed for use at a height of up to 2000 m above sea level (MSL).
Protection class:	II
Type of protection:	IP 20
Connections	
Inputs, outputs:	
Art. no. MTN670802	each 2 and GD, single-core
Art. no. MTN670804	each 4 and GD, single-core
Maximum cable length:	7.5 m

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.

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