Operating and display elements

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 push-button interface 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 plus KNX has two-lan, Art. no. MTN670802 or four-lan, art. no. MTN670804 inputs and outputs. The inputs can be used to establish binary statuses (see 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, switching, to the inputs, you can use the KNX to perform a range of functions including switching, dimming, operating blinds and retrieving scenes, etc.

The contact supply voltage (SELV) for the connected LEDs) in the push-button or switch (see connection example).

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

Connect the bus wires to the bus connecting terminal.

Put push-button interface into operation

Initialisation: The push-button interface is only ready for operation after at least 17 seconds after a bus voltage failure or a bus reset.

Connect the push-button interface to the inputs from the ETS.

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

Technical data

Power supply from bus: DC 24 V (< 10 mA)
Inputs: connection of floating contacts
Contact resistance: < 500 Ω (with closed contact)
Outputs: connection of low-current LEDs (< 1 mA)
Contact voltage Vc: < 3 V (SELV)
Contact current: < 0.5 mA
Ambient temperature
- 0 °C to +45 °C
Operation
- -25 °C to +55 °C
Storage
- -25 °C to +70 °C
Environment
- 93 % relative humidity, no moisture condensation
Max. humidity: 93 % relative humidity, no moisture condensation
Max. temperature
- 230 °C
Max. temperature: 230 °C

Connections

- Art. no. MTN670802 each 2 and GD, single-core
- Art. no. MTN670804 each 4 and GD, single-core
- Maximum cable length: 75 m

Push-button interface 4-gang plus connection example:

1. **A**: Connect the bus terminal to the bus connection terminal.
2. **B**: Connect the bus wires to the bus connecting terminal.
3. **C**: Connect the bus wires to the bus connecting terminal.
4. **D**: Connect the push-button interface to the inputs from the ETS.

Outputs

- **A1**: White/blue: Output 1
- **A2**: White/brown: Output 2
- **A3**: White/green: Output 3 *
- **A4**: White/red: Output 4 *

Contact voltage Vc: < 3 V (SELV)
Contact current: < 0.5 mA
Ambient temperature
- 0 °C to +45 °C
Operation
- -25 °C to +55 °C
Storage
- -25 °C to +70 °C
Environment
- 93 % relative humidity, no moisture condensation
Max. humidity: 93 % relative humidity, no moisture condensation
Max. temperature
- 230 °C
Max. temperature: 230 °C

Congratulations! The push-button interface is ready for operation.

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.