## KNX PBI-02
### Push button interface 2-fold

### Product description
The push button interface PBI-02 is a binary input device for insertion into flush-mounted switch boxes. Potential-free contacts can be connected to the inputs. The required voltage is supplied by the push button interface (no additional power supply is required).

The cables between switches/ push buttons and the push button interface must not exceed 10 m. The cable pairs must be twisted. The connected switches/ push-buttons can send commands to actuators for defined switching on/ off, for dimming lights, for moving blinds up/ down or for turning slats.

### Security advices
- Electrical connection and start up operations shall only be done by electrically skilled persons.
- For installation, assemblage, operating and accident prevention please comply with the regional regulations.
- Connection and maintenance operation might only be done in de-energized condition.
- If safe operation is not possible, the device must not be started up or has to be disabled.
- The device shall only be applied for normal use and according to the specified technical data.
- The device may only be used in combination with original accessories.

### Installation advices
- The device is intended for fixed installations in dry rooms, for installation in flush-mounted boxes.

### Operating elements
- Programming button (A3) to switch between standard/ programming mode.

### Display elements
- Programming-LED (A2) red for displaying standard/ programming mode.

### Configuration
- Configuration by ETS version 3.0f or higher of the *KNX* Association.
- For detailed settings and functions, see separate application program description.

### Start-up
- Check device, clamps and connections.
- Switch on the bus voltage, push the programming button and program the physical address.
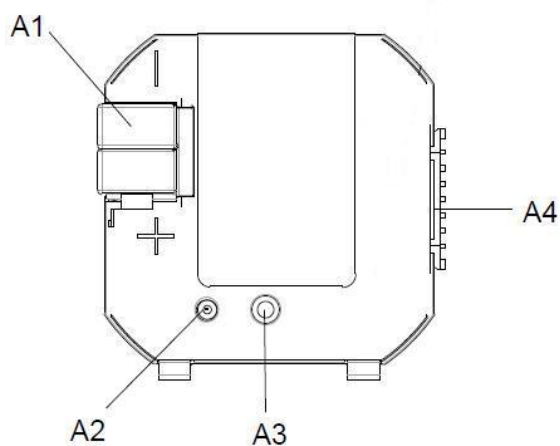- After programming the LED hast to go out.

### Technical Data

| | | |
|---|---|---|
| **Connection data** | Supply voltage | via KNX-bus (<10mA) |
| | Scanning voltage (contact open) | 29VDC (bus voltage) |
| | Input current | 0,2 mA per closed contact |
| | Input signal duration | min. 50ms |
| | Cable length | max. 10m (twisted pair, un-shielded) |
| environmet | Climate resistance | EN 50090-2-2 |
| | Operating temperature | -5 ℃ to +45 ℃ |
| | Storage temperature | -25 ℃ to +60 ℃ |
| | Rel. humidity (non condensing) | 5 % to 93 % |
| **General** | Dimensions (L x W x H) | 42mm x 42mm x 11mm |
| | weight | approx. 22 g |

*Position and function of the display and control elements*



*Connection example*



A1      bus terminal for single with0,6 – 0,8 mm $\varnothing$

A2      Programming-LED red for displaying standard (LED off) or programming mode (LED on); the LED turns off automatically when the physical address has been programmed

A3      Programming button to switch between standard/ programming mode and to program the physical address.

A4      Plug for cable set