

## BE-04000.02

### KNX Binary Input 4-channel, 2 SU MDRC, Potential free version



#### Product description:

The MDT Binary Input BE, converts, as an example, conventional push-buttons, switches, window, door and auxiliary contacts to "smart" for KNX. The comprehensive application provides the appropriate parameters for different applications. Version for potential-free contacts.

#### Product functions:

- To connect **Push-buttons, switches, window contacts**
- Multitouch-function, sends up to 4 values on the same or different objects
- **Innovative group control with long/extra long button press**
- **4 integrated logic modules**, e.g., to evaluate the inputs (closed window or send a second object)
- NO- and NC operation, contact status send
- Dimmer- and shutter function for singular- and double Push-button operation
- Sending of values, forced operation
- Scenes and blocking object for each channel
- Short/Long button press with 2 objects
- **Pulse and switch counter with extensive counter functions (suitable for 30 ms S0 pulse, e.g. Eltako DSZ)**
- Cyclic sending, sending after reset
- Internally generated 12 V contact voltage
- 3 year warranty

## Technical data:

|                                 |                                   |                                                            |
|---------------------------------|-----------------------------------|------------------------------------------------------------|
| <b>Device</b>                   | Device type                       | BE Binary Input                                            |
|                                 | Article Number                    | BE-04000.02                                                |
|                                 | EAN / GTIN                        | 4251916110024                                              |
|                                 | Installation width                | 2 SU / 36 mm                                               |
|                                 | Dimensions (H x W x D)            | 90 x 36 x 65 mm                                            |
|                                 | Weight, gross (incl. packaging)   | 0.098 kg                                                   |
|                                 | Protection classification         | IP20                                                       |
|                                 | Installation type                 | MDRC, DIN rail 35 mm                                       |
|                                 | Installation position             | any                                                        |
|                                 | Weight, net                       | 0.079 kg                                                   |
| <b>Inputs</b>                   | Number of binary inputs           | 4                                                          |
|                                 | Input voltage                     | For potential-free contacts (12 V internally generated) *1 |
|                                 | Permissible total cable length    | 100 m                                                      |
| <b>KNX</b>                      | Nominal voltage KNX               | 30 V DC SELV                                               |
|                                 | Voltage range KNX                 | 21 ... 31 V DC SELV                                        |
|                                 | Typical power consumption KNX bus | < 0,3 W                                                    |
|                                 | KNX Medium                        | TP-256 with long frame support                             |
|                                 | KNX Application                   | as of ETS 5 (latest)                                       |
| <b>Environmental conditions</b> | Ambient operating temperature     | 0 ... 45 °C                                                |
|                                 | Storage                           | -20 ... +55 °C                                             |
|                                 | Humidity                          | < 95 %                                                     |
|                                 | Condensation permissible          | No                                                         |
| <b>Connections</b>              | Connection type                   | Screw terminal with slotted head                           |
|                                 | Conductor cross section 1 x       | 0,5 ... 2,5 mm <sup>2</sup>                                |
|                                 | Screw terminal tightening torque  | 0.5 Nm                                                     |
|                                 | KNX connection type               | KNX terminal                                               |
|                                 | KNX cable cross section           | 0.6 ... 0.8 mm, solid conductor                            |

\*1 Galvanic isolation to the KNX bus

## Wiring diagram:

