# Binary Input/ Universal Interface [BE-xxxxx.02]

Conventional push buttons, switches, window and auxiliary contacts are just a few examples of devices that can be made *smart* for KNX with an MDT Binary Input or an MDT Universal Interface. The extensive application provides the appropriate parameters for a wide range of applications. Versions for potential-free contacts, 24 V AC/DC and 230 V AC are available. The contact voltage for potential-free contacts is generated internally, eliminating the need for an additional power supply.
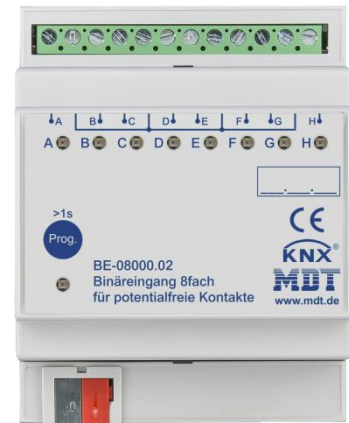


BE-08000.02

## Multi touch function

With the multi touch function, up to 4 different functions can be programmed on a single input. A separate data point type is available for each function so that different actions can be triggered. The following data point types are available: Switching, forced control, percentage value, decimal number, scene number, colour temperature, brightness, temperature and RGB / HSV colour value.
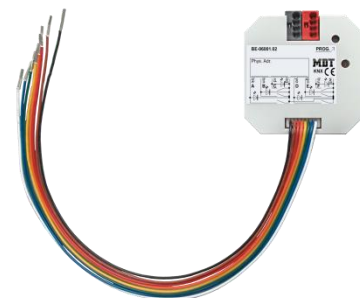
## Innovative group control

With the innovative group control, standard functions can be extended with an extra-long keypress. For example, the blind function in a living room. With the normal short/long keypress, a single blind is operated. With the additional extra-long keypress, for example, all blinds in the living room (group) are operated centrally. The innovative group control can also be used for lighting. For example, a short keypress switches a single light on/off, a long keypress switches all lights in the room, and an extra-long keypress switches the entire floor.



BE-06001.02

## Counter function

Different counter types are available. In addition to impulse telegrams (send "ON" every x pulses), a simple meter as well as a consumption meter for different measured values such as water/gas [m³] or power [kWh] can be realised.

## Logic function

With a total of 4 (8 at 32-fold Binary Input) logic functions, for example, all window contacts of the entire floor can be combined directly on the Binary Input. Each logic function can process both internal inputs and external status objects. The object type of each logic output can be 1 bit, 1 byte, scene or 2 bit forced control.

## LED output (Universal Interface)

The channels of the Universal Interfaces can also be configured as outputs, for example to control a low current LED.

## Long Frame Support

The MDT Binary Inputs/ the MDT Universal Interfaces support "long frames" (longer telegrams). These contain more user data per telegram, which significantly reduces the programming time of the actuators with the ETS.

| | Inputs | For potential-free contacts | 230 V AC | 12-24 V DC / 24 V AC |
|---|---|---|---|---|
| **Binary Inputs** | | | | |
| BE-04000.02 | 4 | ✓ | | |
| BE-08000.02 | 8 | ✓ | | |
| BE-16000.02 | 16 | ✓ | | |
| BE-32000.02 | 32 | ✓ | | |
| | | | | |
| BE-04230.02 | 4 | | ✓ | |
| BE-08230.02 | 8 | | ✓ | |
| BE-16230.02 | 16 | | ✓ | |
| | | | | |
| BE-04024.02 | 4 | | | ✓ |
| BE-08024.02 | 8 | | | ✓ |
| BE-16024.02 | 16 | | | ✓ |
| | | | | |
| **Universal Interfaces** | | | | |
| BE-02001.02 | 2 | ✓ | | |
| BE-04001.02 | 4 | ✓ | | |
| BE-06001.02 | 6 | ✓ | | |
| BE-02230.02 | 2 | | ✓ | |