MDT Binary Inputs 4/8/16/32-fold, MDRC

Version		
BE-04000.02	Binary Input 4-fold	2SU MDRC, Inputs to connect potential free contacts
BE-04024.02	Binary Input 4-fold	2SU MDRC, Inputs 24VAC/DC
BE-04230.02	Binary Input 4-fold	2SU MDRC, Inputs 230VAC
BE-08000.02	Binary Input 8-fold	4SU MDRC, Inputs to connect potential free contacts
BE-08024.02	Binary Input 8-fold	4SU MDRC, Inputs 24VAC/DC
BE-08230.02	Binary Input 8-fold	4SU MDRC, Inputs 230VAC
BE-16000.02	Binary Input 16-fold	8SU MDRC, Inputs to connect potential free contacts
BE-16024.02	Binary Input 16-fold	8SU MDRC, Inputs 24VAC/DC
BE-16230.02	Binary Input 16-fold	8SU MDRC, Inputs 230VAC
BE-32000.02	Binary Input 32-fold	12SU MDRC, Inputs to connect potential free contacts

The MDT Binary Input is available in 3 versions, input detection of 24VAC/DC signals, input detection of 230VAC signals and with inputs to connect potential free contacts. The Binary Input reacts depending on its programmed parameters and sends a telegram on the KNX bus. You can connect conventional push-buttons or auxiliary contacts (e.g. door and window contacts) to the device.

The MDT Binary Inputs include four integrated logical modules to implement logical operations and logical control. These logical modules interpret all the inputs plus two external objects. So you can easily create KNX/EIB telegrams which are required in daily practice (e.g. fault telegrams or „all windows closed").

Each Input is parameterized individually via ETS. The device provides extensive functions like switching of lighting, operation of blinds and shutters, counting of pulses, debounce time, contact type and telegram rate limitation.
The command for rising and falling edge can be defined independently and with the block communication object each channel can be blocked or released. The sending of an second object is possible by the logical modules.

The MDT Binary Input is a modular installation device for fixed installations in dry rooms. It fits on DIN 35mm rails in power distribution boards or closed compact boxes.

For project design and commissioning of the MDT Binary Input it is recommended to use the ETS or later.
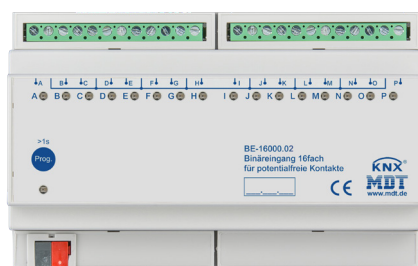Please download the application software at www.mdt.de/Downloads.html

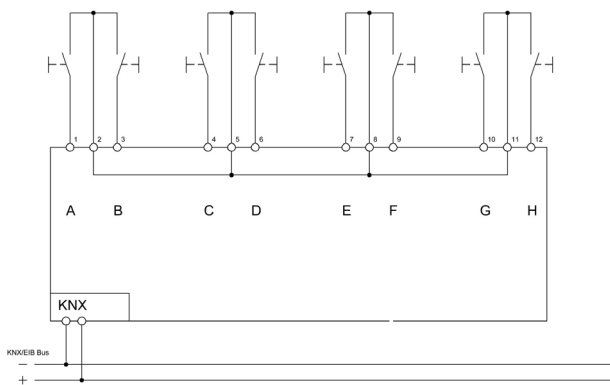BE-04000.02   BE-08000.02

BE-16000.02

- Production in Germany, certified according to ISO 9001
- To connect **push buttons or window/auxiliary contacts**
- **New multi touch function, sends up to 4 values/DPTs on the same or different objects**
- **Innovative group control with long/extra long button press**
- **4 integrated logical modules**, e.g. interpretation of the inputs (e.g. window closed or sending second object)
- NO or NC contact operation, sending contact status
- Operation of blinds and shutters, 1 and 2 button operation
- Forced setting function for each output
- Scenes, block communication object for each channel
- Operation with short/long button push and 2 objects
- Integrated pulse and switching counters with extensive counter functions (suitable for 30ms S0 pulses)
- Cyclical sending, sending after reset
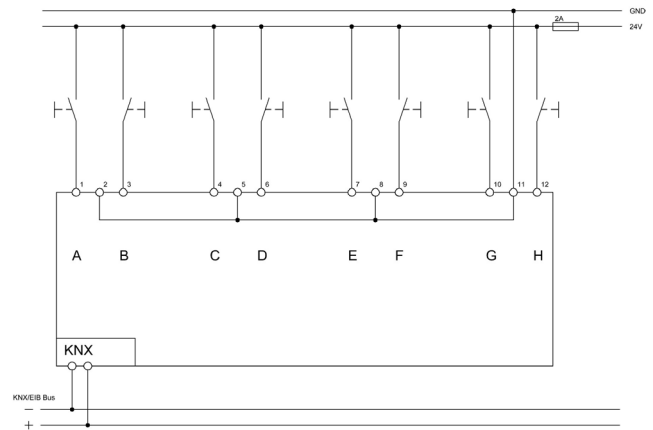- Internally generated query voltage of 12V
- 3 years warranty

Technical Data	BE-04000.02 BE-08000.02 BE-16000.02 BE-32000.02	BE-04230.02 BE-08230.02 BE-16230.02	BE-04230.02 BE-08024.02 BE-16024.02
Number of inputs*	4/8/16/32	4/8/16	4/8/16
Signal voltage	For potential free contacts	230VAC	12-24VDC / 24VAC
Internal contact voltage	12V	--	--
Switching treshold typ.	--	165VAC	8VAC/10VDC
Permitted input cable length	100m	100m	100m
Specification KNX Interface	TP-256	TP-256	TP-256
Available application software	ETS 5	ETS 5	ETS 5
Permitted wire gauge			
Screw terminal (max. 0,5Nm tightening torque)	0,5 - 4,0mm² solid core 0,5 - 2,5mm² finely stranded	0,5 - 4,0mm² solid core 0,5 - 2,5mm² finely stranded	0,5 - 4,0mm² solid core 0,5 - 2,5mm² finely stranded
KNX busconnection terminal	0,8mm Ø, solid core	0,8mm Ø, solid core	0,8mm Ø, solid core
Power Supply	KNX bus	KNX bus	KNX bus
Power consumption KNX bus typ.	<0,3W	<0,3W	<0,3W
Operation temperature range	0 bis + 45°C	0 bis + 45°C	0 bis + 45°C
Enclosure	IP 20	IP 20	IP 20
Dimensions MDRC (Space Units)	2/4/8/12SU	2/4/8SU	2/4/8SU

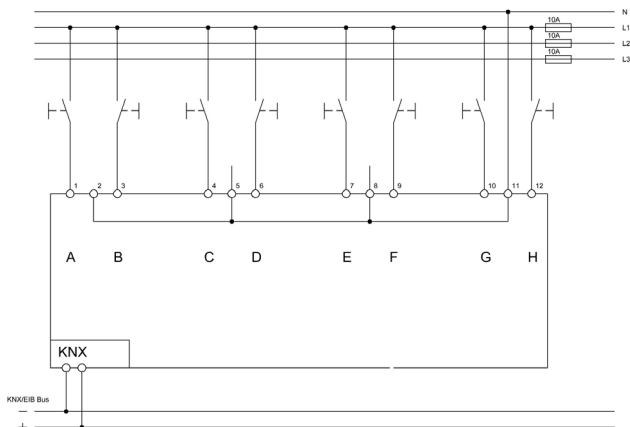* All inputs are galvanically isolated from the KNX/EIB bus.

Examplary circuit diagram BE-08000.02

Examplary circuit diagram BE-08024.02

Examplary circuit diagram BE-08230.02

Examplary circuit diagram BE-08230.02 - Different circuits