

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

Version		
BE-04000.01	Binary Input 4-fold	2SU MDRC, Inputs for floating contacts
BE-04024.01	Binary Input 4-fold	2SU MDRC, Inputs 24VAC/DC
BE-04230.01	Binary Input 4-fold	2SU MDRC, Inputs 230VAC
BE-08000.01	Binary Input 8-fold	4SU MDRC, Inputs for floating contac
BE-08024.01	Binary Input 8-fold	4SU MDRC, Inputs 24VAC/DC
BE-08230.01	Binary Input 8-fold	4SU MDRC, Inputs 230VAC
BE-16000.01	Binary Input 16-fold	8SU MDRC, Inputs for floating contacts
BE-16024.01	Binary Input 16-fold	8SU MDRC, Inputs 24VAC/DC
BE-16230.01	Binary Input 16-fold	8SU MDRC, Inputs 230VAC

The MDT Binary Input is available in 3 versions, input detection of 24VAC/DC signals, input detection of 230VAC signals and reading out of floating 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 ETS3f/4. 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 logic module can release two telegrams after receiving a trigger signal from the inputs.

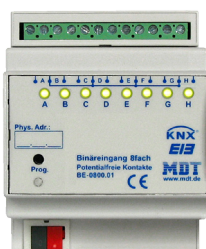
The MDT Binary Input is a modular installation device for fixed installations in dry rooms. It fits on DIN 35mm rails in power distribution boards or closed compact boxes.

For project design and commissioning of the MDT Binary Input it is recommended to use the ETS3f/ETS4 or later. Please download the application software at www.mdt.de/Downloads.html

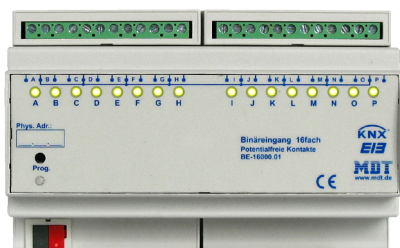
BE-04000.01



BE-08000.01



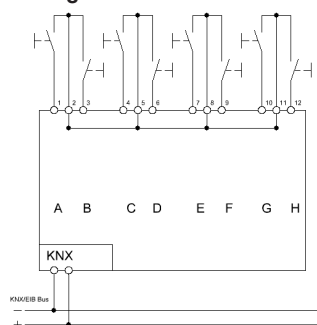
BE-16000.01



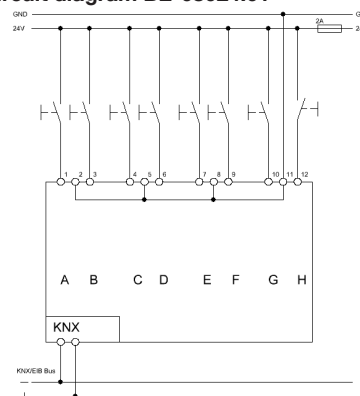
- Production in Germany, certified according to ISO 9001
- Modern design
- Fully compatible to all KNX/EIB devices
- To connect conventional push buttons or window/auxiliary contacts
- **4 integrated logical modules**
- Telegram rate limitation
- NO or NC contact operation, programmable length of button push
- Operation of blinds and shutters, 1 and 2 button operation
- Forced setting function for each output
- Operation with short/long button push and 2 objects
- Counting of pulses, suitable for 30ms S0 pulses
- Cyclical sending of contact state programmable
- Internal contact voltage 12V
- Modular installation device for DIN 35mm rails
- Integrated bus coupling unit
- 3 years warranty

Electrical Data	BE-04000.01 BE-08000.01 BE-16000.01	BE-04230.01 BE-08230.01 BE-16230.01	BE-04230.01 BE-08024.01 BE-16024.01
Number of inputs	4/8/16	4/8/16	4/8/16
Signal voltage	For floating contacts	230VAC	12-24VDC / 24VAC
Internal contact voltage	12V	--	--
Permitted input cable length	100m	--	--
Permitted wire gauge			
Screw terminal	0,5 - 4,0mm ² solid core 0,5 - 2,5mm ² finely stranded	0,5 - 4,0mm ² solid core 0,5 - 2,5mm ² finely stranded	0,5 - 4,0mm ² solid core 0,5 - 2,5mm ² finely stranded
KNX busconnection terminal	0,8mm Ø, solid core	0,8mm Ø, solid core	0,8mm Ø, solid core
Power Supply	via KNX bus	via KNX bus	via KNX bus
Power consumption	<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)	2/4/8SU	2/4/8SU	2/4/8SU

Exemplary circuit diagram BE-08000.01



Exemplary circuit diagram BE-08024.01



Exemplary circuit diagram BE-08230.01

