

MDT Binary Inputs MDRC 8-fold/ 16-fold
MDT Binary Inputs surface mounted 8-fold

Version		
BE-08000.01	Binary Inputs 8-fold	4TE MDRC, for floating contacts
BE-08024.01	Binary Inputs 8-fold	4TE MDRC, Inputs 24VAC/DC
BE-08230.01	Binary Inputs 8-fold	4TE MDRC, Inputs 230VAC
BE-16000.01	Binary Inputs 16-fold	8TE MDRC, for floating contacts
BE-16024.01	Binary Inputs 16-fold	8TE MDRC, Inputs 24VAC/DC
BE-16230.01	Binary Inputs 16-fold	8TE MDRC, Inputs 230VAC
BE-08000A.01	Binary Inputs 8-fold	Surface mounted, for floating contacts

The MDT Binary Inputs are available in 3 versions, input detection of 24VAC/DC signals, input detection of 230VAC signals and reading out of floating contacts. The inputs react depending on their programmed parameters and send a telegram on the bus. You can connect conventional push-buttons or auxiliary contacts (e.g. door and window contacts) to the device.

The 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“).

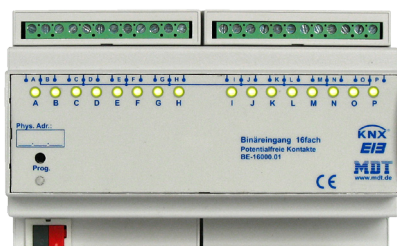
Each input is parameterized individually via ETS3/4. The device provides extensive functions like switching of lighting, operation of blinds and shutters, counting of pulses, debounce time, contact typ and telegram rate limitation. The command for rising and falling edge can be defined independently 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 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 Binary Input it is recommended to use the ETS3f/ETS4 or later. Please download the application software at www.mdt.de/downloads.

BE-08000.01

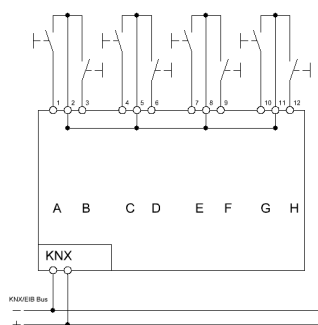
BE-0800A.01

BE-16000.01


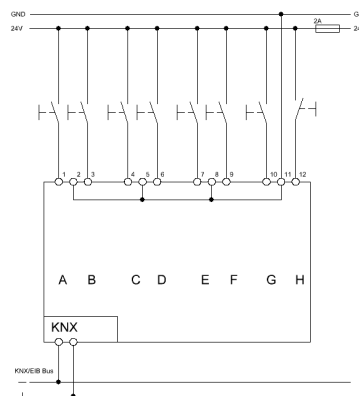
- production in Germany, certified according to ISO 9001
- modern design
- fully compatible to all KNX/EIB devices
- To connect conventional push-buttons or auxiliary contacts
- 4 integrated logical modules, sending of scenes
- Telegram rate limitation
- NO or NC contact operation, programmable length 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-08000.01 BE-16000.01 BE-08000A.01	BE-08230.01 BE-16230.01	BE-08024.01 BE-16024.01
Configuration			
Signal voltage	for floating contacts	230VAC	12-24VDC / 24VAC
Number of inputs	8/16	8/16	8/16
Power Supply			
Supply voltage	via Bus	via Bus	via Bus
Power consumption	<0,3W	<0,3W	<0,3W
internal contact voltage	12V	--	--
Permitted wire gauge			
Screw terminal	2,5mm ²	2,5mm ²	2,5mm ²
KNX busconnection terminal	0,8mm ²	0,8mm ²	0,8mm ²
Permitted input cable length	100m	100m	100m
Operation temperature range	0 bis + 45°C	0 bis + 45°C	0 bis + 45°C
Enclosure	IP 20	IP 20	IP 20
Dimensions MDRC	4/8TE	4/8TE	4/8TE
Dimensions AP (W x H x D)	100mm x 40mm x 88mm	--	--

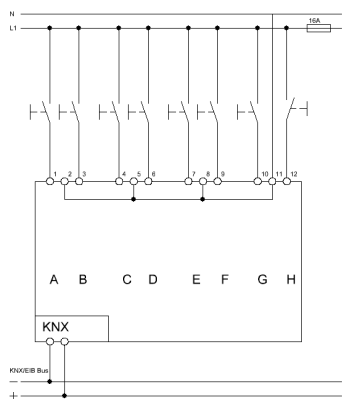
Exemplary circuit diagram BE-08000.01



Exemplary circuit diagram BE-08024.01



Exemplary circuit diagram BE-08230.01



Exemplary circuit diagram BE-08000A.01

