

Data sheet

BMT-DI4-IP

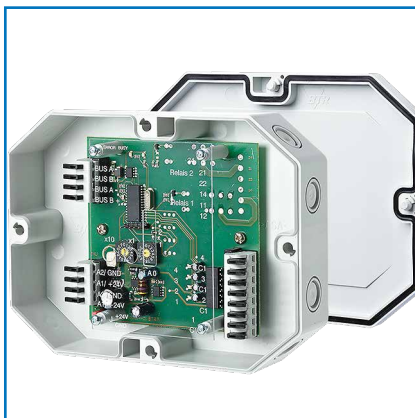
BACnet module with digital inputs

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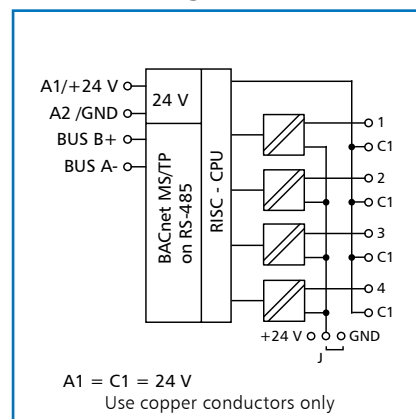
Part number
1108841319IP

2018-01-23

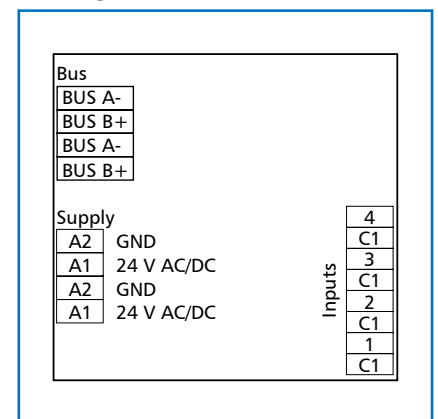
Illustrations



Principle diagram



Wiring



Product description

The BACnet MS/TP module in IP65 housing with 4 digital inputs was developed for decentralized switching tasks. It is suitable for detecting potential-free switch states, for example electrical limit switches on vent valves or auxiliary contacts of power contactors.

The inputs can be operated by means of potential-free switches or contacts or used as voltage inputs.

The inputs can be scanned by means of standard objects via a BACnet client. The module address and the bitrate are set by means of two address switches.

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Technical data

BACnet interface

Protocol	BACnet MS/TP
Address range	00 to F9
Transmission rate	9600 to 115200 Bit/s, factory setting 9600 Bit/s
Cabling	RS485 two wire bus with potential equalization in bus or line topology terminate with 120 Ohm

Supply

Operating voltage	24 V AC/DC $\pm$ 10 % (SELV)
Current consumption	64 mA (AC) / 35 mA (DC)
Relative duty cycle	100 %

Inputs

Digital inputs	4
Voltage input	30 V AC/DC
High signal recognition	>7 V AC/DC

Housing

Dimensions WxHxD	6.299 x 1.602 x 4.724 in. (160 x 40.7 x 120 mm)
Weight	350 g
Mounting position	any
Mounting	directly on a flat surface 8 knock-out openings for M12 and M16 cable glands
Material	
Housing	ASA + polycarbonate
Terminal blocks	polyamide 6.6 V0
Cover	polycarbonate
Type of protection (IEC 60529)	
Housing	IP65

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Technical data

Terminal blocks	
Supply and bus	
Terminal block	4-pole
Solid wire	max. AWG 16 (1.5 mm ²)
Stranded wire	max. AWG 18 (1.0 mm ²)
Wire diameter	0.3 mm to max. 1.4 mm
Module connection, digital inputs	
Solid wire	max. AWG 16 (1.5 mm ²)
Stranded wire	max. AWG 18 (1.0 mm ²)
Wire diameter	0.3 mm to max. 1.4 mm
Protective circuitry	Polarity reversal protection of operating voltage Polarity reversal protection of supply and bus
Temperature range	
Operation	23 °F to 131 °F (-5 °C to +55 °C)
Storage	-4 °F to +158 °F (-20 °C to +70 °C)
Display	
Operating and bus activity	green LED
Error indication	red LED
Status of the inputs	yellow LEDs
Additional documents	
Software description, mounting note, certificates	All additional documents are available for download at www.metz-connect.com



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Dimensional drawing

