



Data sheet BMT-TP BACnet MS/TP

We realize ideas

Page 1/8

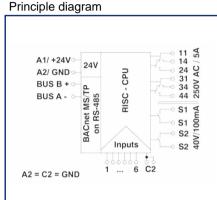
P/N 11088813

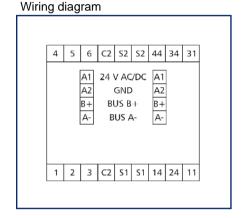
EAN 4250184158899

2023/06/22 Version: H

Illustrations









See enlarged drawings at the end of document

Product specification

The BACnet MS/TP three-point module with 6 digital inputs, 2 two-level relay outputs and 2 digital outputs was developed for decentralized switching tasks. It is suitable for switching, for example, multi-level pumps and fans or louvers. In this case it is necessary to protect the relay contacts by appropriate load-dependent measures. The inputs and outputs can be switched and scanned by means of standard objects via a BACnet client. The input terminals 1 to 6 are wired with the C2 terminals on two poles to potential-free switches or contacts. The module has a manual control for the outputs. The module address and the baud rate are set by means of two address switches on the front. Suitable for decentralized mounting in serial sub-distributor.

· Connection with screw type terminal blocks





Data sheet
BMT-TP BACnet MS/TP

We realize ideas

Page 2/8

P/N 11088813

EAN 4250184158899

2023/06/22 Version: H

Technical Data

Approvals



BACnet is a registered trademark of ASHRAE. ASHRAE does not endorse, approve or test products for compliance with ASHRAE standards. Compliance of listed products to the requirements of ASHRAE Standard 135 is the responsibility of BACnet International (BI). BTL is a registered trademark of BI.

RS485 interface	
Protocol	BACnet MS/TP
Address range	00 - F9
Bus interface	RS485 two wire bus with potential equalization in bus or line topology, terminate with 120 Ohm
Transmission parameters	
Transmission rate	min. 9600 Bit/s (Bd) - max. 115200 Bit/s (Bd)
Transmission rate default setting	9600 Bit/s (Bd)
Parity	None
Stopbits	1
Supply	
Operating voltage	24 V AC/DC +/- 10 % (SELV)
Power consumption	
Power consumption AC (max.)	100 mA
Power consumption DC (max.)	40 mA
Duty cycle relative	100 %
Inputs	
Digital inputs	6, potential-free
Voltage input	30 V AC/DC
High signal detection	> 4.5 V DC
Outputs	
Digital outputs	4
Relay output	2 x two-stage
Switching voltage relay output (max.)	250 V AC
Continuous current relay output	6 A / relay
Semiconductor output	2 normally open contacts
Switching voltage semiconductor output (max.)	40 V AC/DC
Continuous current semiconductor output	100 mA
Switch-on current semiconductor output (max.)	500 mA







Data sheet BMT-TP BACnet MS/TP

We realize ideas

Page 3/8

P/N 11088813

EAN 4250184158899

2023/06/22 Version: H

	V 0.101011.
Technical Data	
Outputs	
Switching frequency	360 switching cycles/h
Mechanical life	30x10 ⁶ switching cycles
Electrical life	9x10 ⁴ switching cycles
Insulation coil - contact set	
Nominal voltage of the power supply system	230 / 400 V AC
Overvoltage category	III II
Degree of pollution	2 2
Rated test voltage	4 kV 2.5 kV
Type of insulation	basic insulation reinforced insulation
Housing	
Dimensions	
Dimension (W x H x D)	50 mm x 69.3 mm x 60 mm
Dimension (W x H x D)	1.969 in. x 2.728 in. x 2.362 in.
Total depth with switch/plug	69 mm
Weight	126 g
Mounting style	Standard rail TH35
Mounting position	any
Apposition	The maximum quantity of BACnet modules connected side-by- side is limited to 15 or to a maximum power consumption of 2 Amps (AC or DC) per connection to the power supply. For any similar block of additional modules a separate connection to the power supply is necessary., without distance
Connection type	Screw type terminal blocks
Indicator	green, red and yellow LED
Terminal blocks	
Supply and bus	
Terminal block	4-pole
Solid wire (AWG)	max. 1.5 mm ² / max. 16 AWG
Stranded wire (AWG)	max. 1 mm² / max. 18 AWG
Wire diameter	max. 1.4 mm - min. 0.3 mm
Module connection	
Wire cross section solid	0.34 mm ² - 2.5 mm ² / AWG 22-12
Wire cross section multi	0.25 mm ² - 2.5 mm ² / AWG 22-12
Wire cross section with wire ferrule	0.25 mm ² - 2.5 mm ² / AWG 22-12







We realize ideas

C | Logline

Data sheet BMT-TP BACnet MS/TP

Page 4/8

P/N 11088813

EAN 4250184158899

2023/06/22 Version: H

	version.
Technical Data	
Terminal blocks	
Module connection	
Screw torque (max.)	0.5 Nm
Stripping length (min.)	8 mm
Protection circuit	Polarity reversal protection for DC operating voltage, Protection against interchanging power supply and bus
Material	
Material - Housing	Polyamid 6.6 V0
Color	gray
Material - Terminal block	Polyamid 6.6 V0
Material - Covers	Polycarbonat
Protection category according to IEC 60529	
Protection category - housing (acc. to IEC 60529)	IP40
Protection category - terminal blocks (acc. to IEC 60529)	IP20
Temperature range	
Operating	
Temperature - Operating °C	-5 °C - 55 °C
Temperature - Operating °F	23 °F - 131 °F
Storage	
Temperature - Storage °C	-20 °C - 70 °C
Temperature - Storage °F	-4 °F - 158 °F
Classifications	
ETIM 7.0	EC001584
ETIM 8.0	EC001584
ETIM 9.0	EC001584
Software and additional documents	
Software and documentation	Further documentation is available for free download at www.meconnect.com







Data sheet BMT-TP BACnet MS/TP

Page 5/8

We realize ideas

P/N 11088813

EAN 4250184158899

2023/06/22 Version: H

Accessories

P/N	Designation
110369	Terminal block Type 259
110486	HUB DC
110561	Power supply NG4 24 V DC
31135104	Typ 135 RIACON 135_3.5







Data sheet BMT-TP BACnet MS/TP

We realize ideas

Page 6/8

P/N 11088813

EAN 4250184158899

2023/06/22 Version: H

Accessories from

P/N	Designation	
11088001	BMT-RTR BACnet-Router	
1108800170	BMT-F-RTR BACnet-Router	







Data sheet

We realize ideas

Page 7/8

P/N 11088813

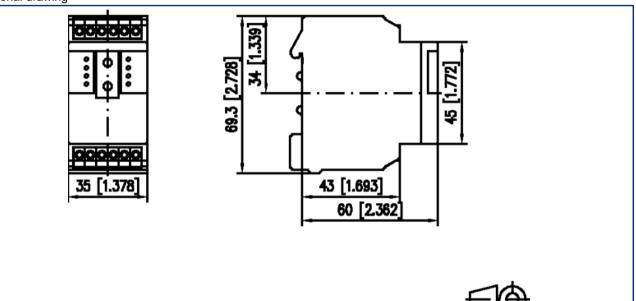
EAN 4250184158899

2023/06/22 Version: H

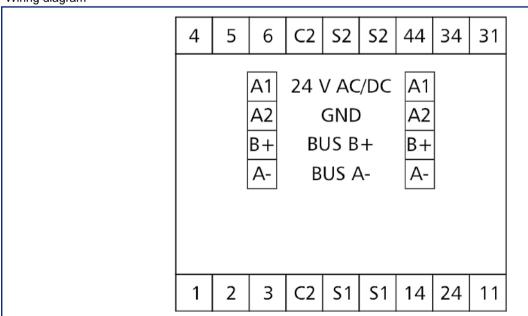
BMT-TP BACnet MS/TP

Illustrations

Dimensional drawing













Data sheet
BMT-TP BACnet MS/TP

We realize ideas

P/N 11088813

Page 8/8

EAN 4250184158899

2023/06/22 Version: H

Illustrations

