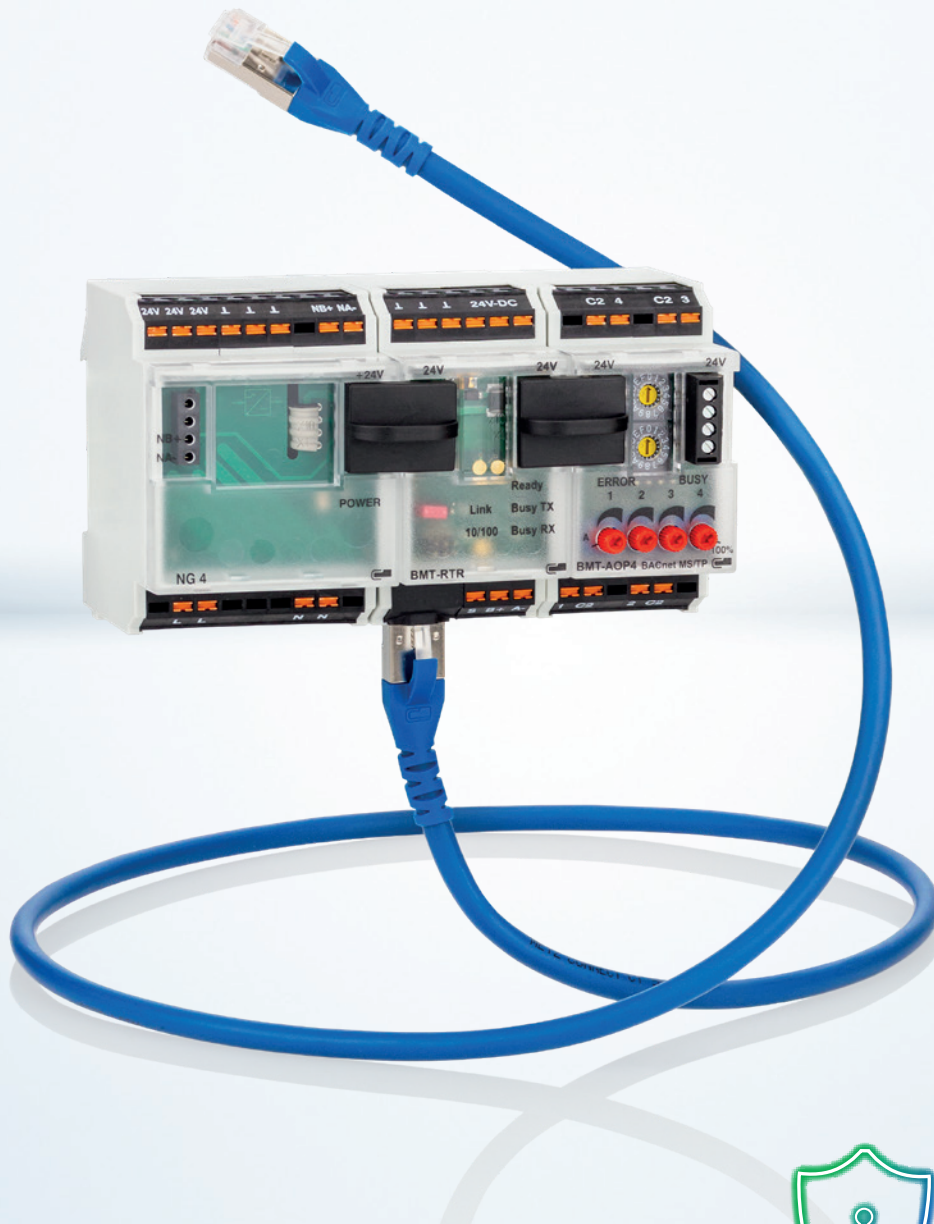


BACnet/IP and BACnet/SC Router – Data Security with Secure Connect

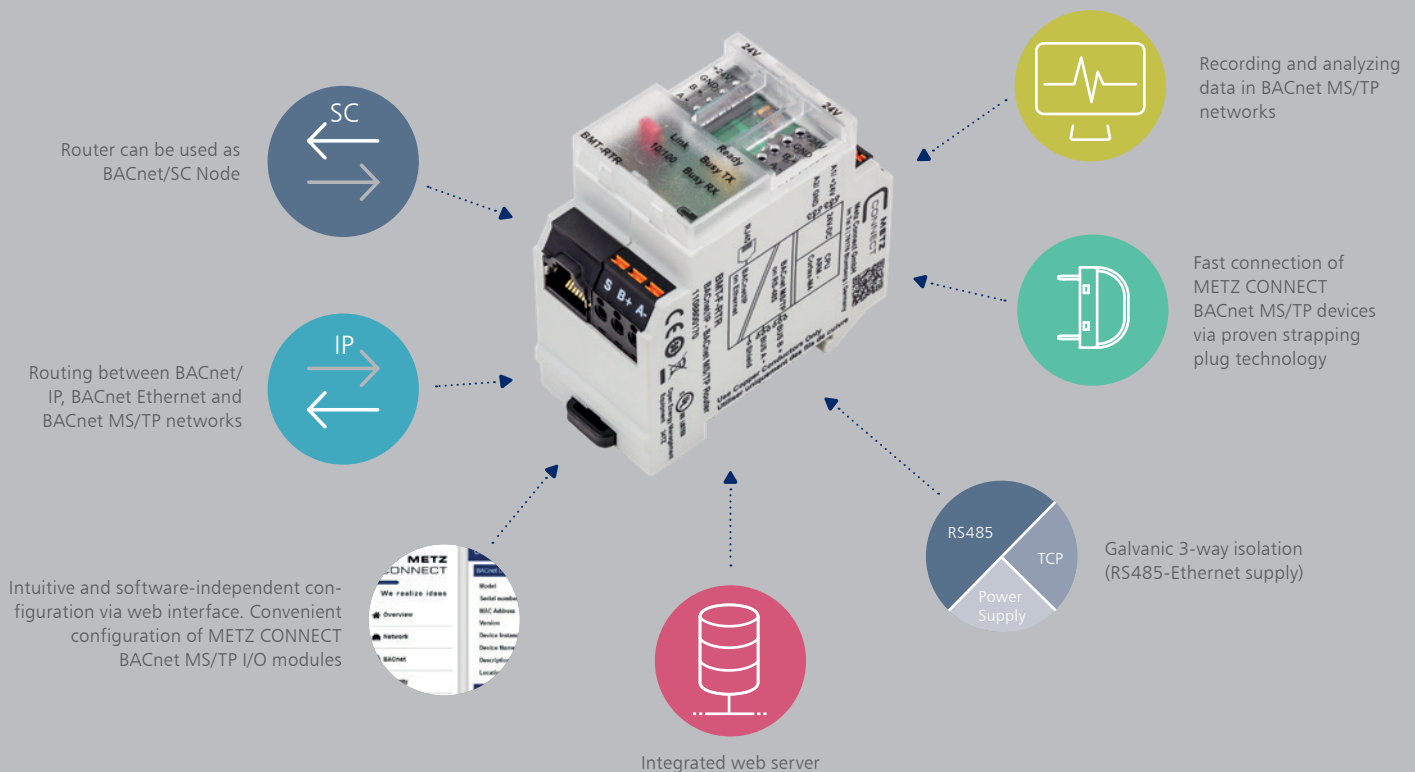


BACnet/IP and BACnet/SC Router – Data Security with Secure Connect

Due to the rapid growth of IT networking of technical equipment in buildings (heating/ventilation/air conditioning (HVAC), lighting, shading, access, etc.) in building automation and the connection of building management systems (BMS) to the cloud, there is a growing risk of falling victim to hacker attacks. This can not only result in damage due to access to sensitive data, but can also cause considerable damage directly to the

building or the installed equipment (HVAC systems, machines). System-relevant and critical infrastructural buildings (railroad stations, airports, hospitals, etc.) can come to a standstill and companies can suffer considerable economic damage. It is, therefore, all the more important to protect networked buildings and building automation systems against attacks.

Features



Product overview



Type	BMT-RTR/SC	BMT-F-RTR/SC	BMT-RTR	BMT-F-RTR
P/N	11088101	1108810170	11088001	1108800170
BACnet/SC	x	x	-	-
BACnet/IP	x	x	x	x
BACnet MS/TP	x	x	x	x
BACnet/SC Node	x	x	-	-
Routing BACnet MS/TP ↔ BACnet/IP	x	x	x	x
Routing BACnet MS/TP ↔ BACnet/SC	x	x	-	-
Routing BACnet/IP ↔ BACnet/SC	x	x	-	-

Accessories to network components



P/N	110561	11056170	110195	1308450577-E	130B117003-E	130E405032-E
Type	NG4	NG4-F	EDS-205	RJ45 patch cable	REGplus IP20 C6A modul 180°M	C6A RJ45 field plug pro
Description	Power supply unit 24 V DC	Power supply unit 24 V DC	5-Port Switch with 10/100 BaseT(X) RJ45	Patch cord Cat.6A AWG 26 0.5 m yellow	RJ45 Termination unit for mounting to DIN rail	RJ45 plug for field assembly



Other network components can be found on our website
www.metz-connect.com

BACnet Router and BACnet Router/SC

With the METZ CONNECT BACnet routers BMT-(F)-RTR, BACnet MS/TP devices are connected to a BACnet/IP network.

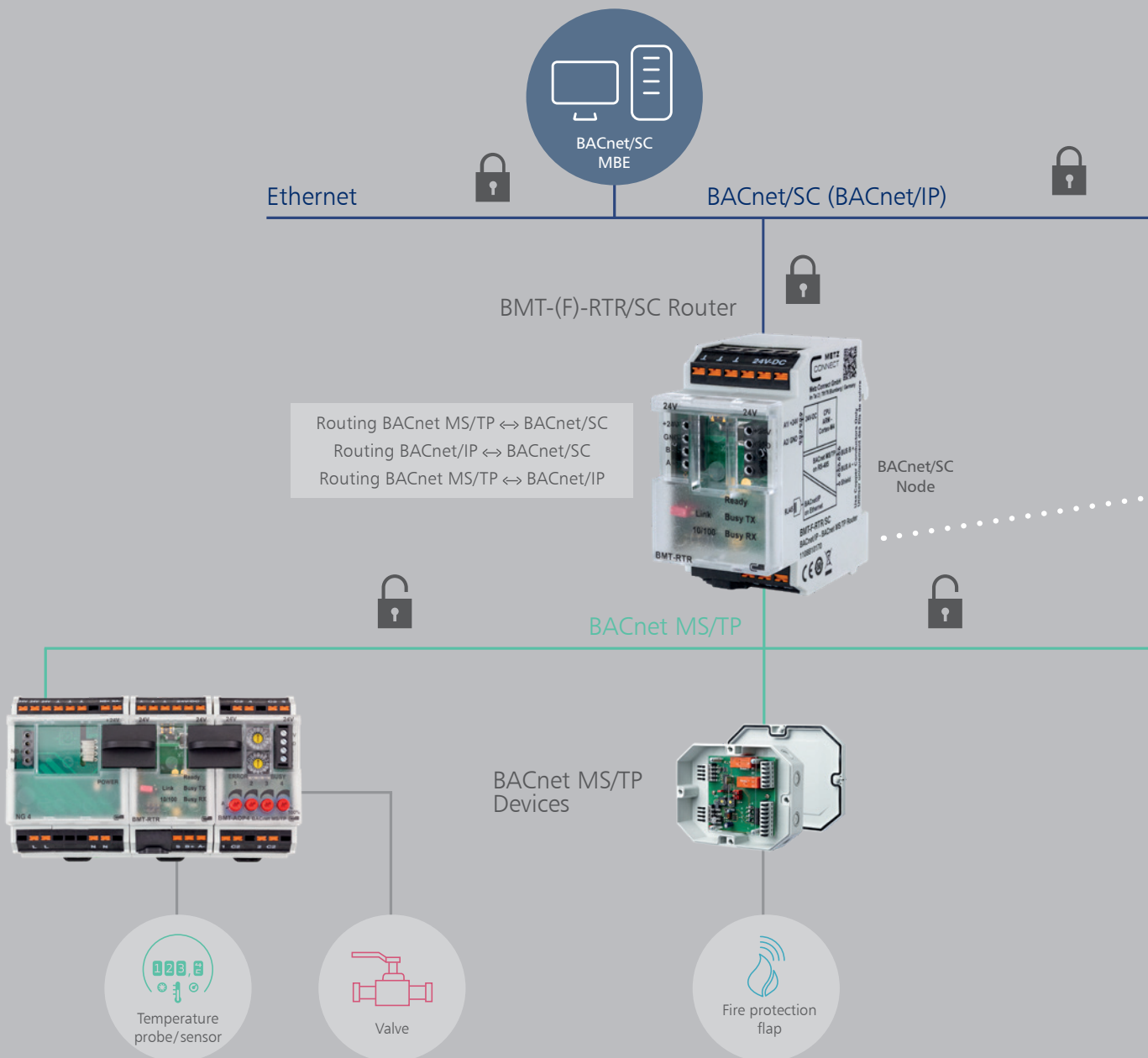
The BACnet/SC (Secure Connect) router BMT-(F)-RTR/SC is the right solution for secure, encrypted data transmission in critical infrastructures. BACnet/SC is the standard for secure data transmission using the BACnet protocol.

A BACnet/SC hub is used to manage the data communication of individual BACnet/SC nodes, such as the BMT-(F)-RTR/SC router.

As an additional safeguard, another so-called BACnet/SC failover hub can be used to take over if the hub fails.

This means that existing IT infrastructures and the Internet can also be used for data transfer. The BACnet routers have an integrated web server for configuring and parameterizing the device-specific functions. Particularly noteworthy is the flexibility of the BACnet/SC router BMT(F)-RTR/SC.

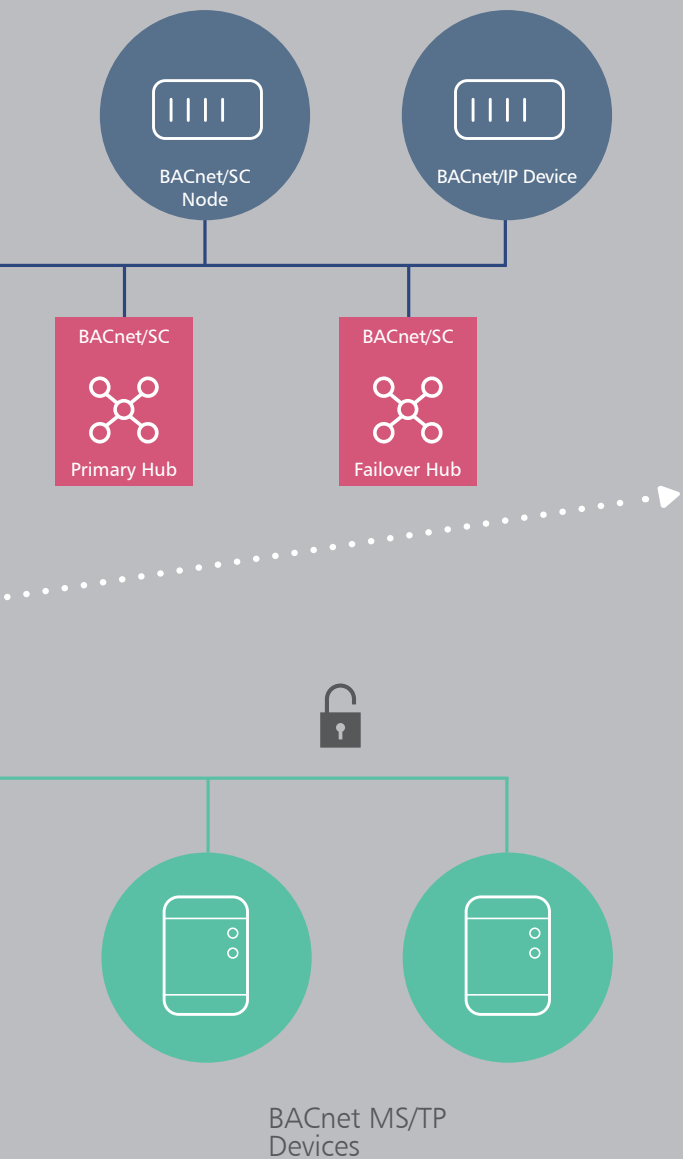
System overview




MS/TP, BACnet/IP, and BACnet/SC networks can be connected and routed simultaneously. Routing from MS/TP to BACnet/IP can be extended to BACnet/SC anytime. This means you can prepare your systems for the future today and create investment security. Secure your building automation with METZ CONNECT BACnet routers! The rapid growth of IT networking poses risks for sensitive data and the physical security of buildings.








The BMT-(F)-RTR/SC series seamlessly connects BACnet MS/TP devices to BACnet/IP and BACnet/SC networks.

Discover the innovation that protects your buildings from hacker attacks while being prepared for future developments. METZ CONNECT – your partner for secure building automation.





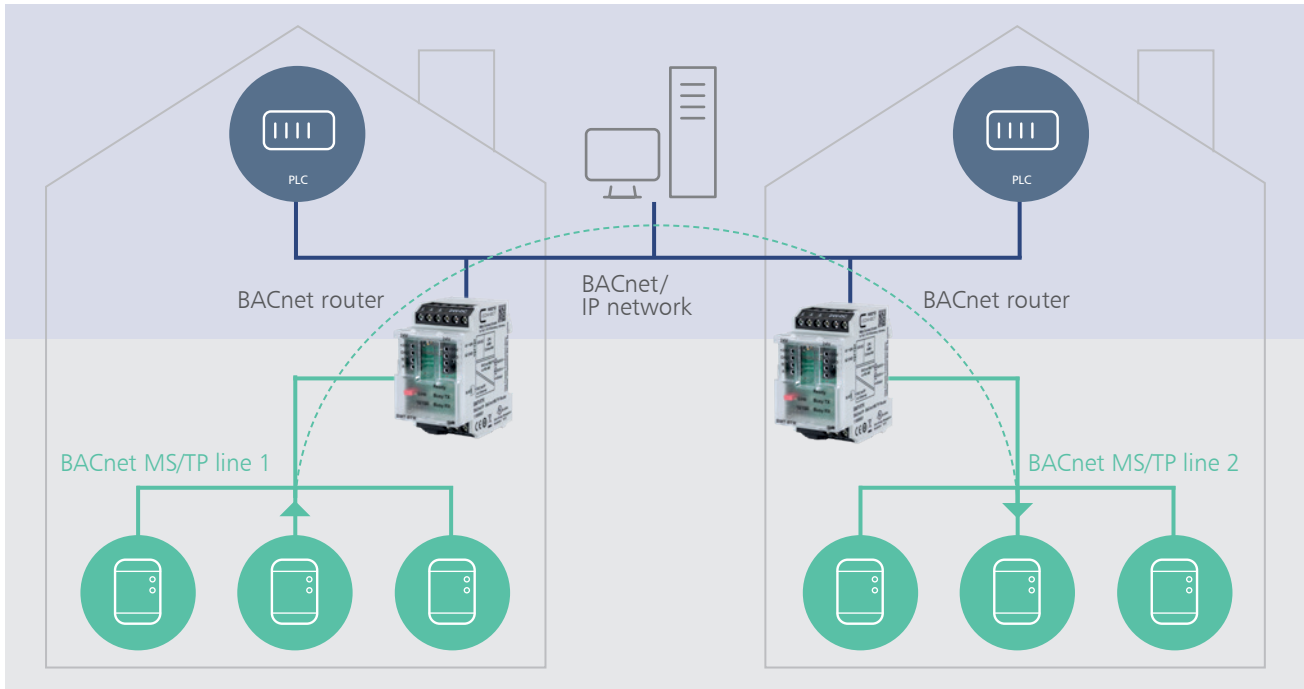
WE realize ideas

-  **Overview**
-  **Network**
-  **BACnet**
-  **Security**
-  **Monitoring**
-  **MS/TP Capture**
-  **Maintenance**

English ▼

Overview	
BACnet Device	
Model	BMT-RTR/SC
Serial number	00000000
MAC Address	00:04:A3:F1:00:04
Version	2.0
Device Instance ID	421000
Device Name	BMT-RTR_00
Description	
Location	
Network	
Link	100MBit Full duplex
Host Name	BMT-RTR-f10004
IPv4	
IPv4	On
DHCP	On
IP Address	10.10.6.40
Subnet Mask	255.255.255.0
Standard Gateway	10.10.6.254
DNS Server	10.10.0.2

Application example



With the BACnet IP routers, communication between two BACnet MS/TP networks (Master – Master, Master – Slave) can be established via the IP network.

Simple configuration through web interface



Intuitive menu navigation and operation by smartphone, tablet or notebook through responsive design



Logging and analysis of IP and RS485 communication



Simple device search of METZ CONNECT BACnet MS/TP devices on the RS-485 bus

Your benefits



- > Connection of 32 BACnet MS/TP devices per line
 - > Simple integration of BACnet MS/TP devices in a BACnet/IP network
 - > Ethernet available everywhere in the building
 - > No restriction on cable lengths
 - > Reliable and fast communication between automation and field equipment
 - > Technology and manufacturer-independent
- Only for the BMT-(F)-RTR/SC variants:**
- > Secure and encrypted building automation systems with BACnet/SC
 - > Routing from BACnet/IP and BACnet MS/TP to BACnet/SC

BACnet MS/TP I/O fieldbus modules

 <p>BMT-DI4 BMT-F-DI4</p> <p>☒ 1108841319 ☒ 110884131970</p> <p>4 digital input</p>	 <p>BMT-DI10 BMT-F-DI10</p> <p>☒ 1108811319 ☒ 110881131970</p> <p>10 digital input</p>	 <p>BMT-SI4 BMT-F-SI4</p> <p>☒ 11088913 ☒ 1108891370</p> <p>4 S0-input</p>	 <p>BMT-AI8 BMT-F-AI8</p> <p>☒ 11088213 ☒ 1108821370</p> <p>8 configurable temperature or voltage inputs</p>	 <p>BMT-CI4 BMT-F-CI4</p> <p>☒ 1108901332 ☒ 110890133270</p> <p>4 current inputs 0-20 mA, 4 voltage inputs 0-10 V</p>
 <p>BMT-DO4 BMT-F-DO4</p> <p>☒ 1108861321 ☒ 110886132170</p> <p>4 relay outputs, manual control level</p>	 <p>BMT-TO4 BMT-F-TO4</p> <p>☒ 11088013 ☒ 1108801370</p> <p>4 triac outputs, manual control level</p>	 <p>BMT-AOP4 BMT-F-AOP4</p> <p>☒ 1108871302 ☒ 110887130270</p> <p>4 voltage outputs 0-10 V, manual control level</p>	 <p>BMT-AO4 BMT-F-AO4</p> <p>☒ 1108851302 ☒ 110885130270</p> <p>4 voltage outputs 0-10 V</p>	 <p>BMT-DIO4/2 BMT-F-DIO4/2</p> <p>☒ 1108831326 ☒ 110883132670</p> <p>4 digital inputs, 2 relay outputs, changeover contact, manual operation level</p>
 <p>BMT-TP BMT-F-TP</p> <p>☒ 11088813 ☒ 1108881370</p> <p>6 digital input, 2 two-stage relay outputs, manual control level</p>	 <p>BMT-Multi I/O</p> <p>P/N 11089313</p> <ul style="list-style-type: none"> > 4 digital outputs (Photo MOS) > 4 digital outputs (Relais) > 11 Digital inputs > 6 universal inputs (temperature/voltage) > 1 analog input (current) > 2 analog outputs (voltage) > 1 S0 input 	 <p>BMT-DIO4/2-IP65 BACnet MS/TP</p> <p>P/N 108831326IP</p> <p>4 digital inputs, 2 relay outputs, changeover contact, manual operation level</p>	 <p>BMT-DIO4/2-IP65 BACnet MS/TP 230 V</p> <p>P/N 1108830526IP</p> <p>4 digital inputs, 2 relay outputs, changeover contact, manual operation level</p>	 <p>BMT-DI4-IP65 BACnet MS/TP</p> <p>P/N 1108841319IP</p> <p>4 digital inputs</p>
 <p>MB-DIO 2/1-IP65 24 V</p> <p>P/N 1108111326IP</p> <p>2 digital inputs, 1 relay output, changeover contact, manual operation level</p>	 <p>MB-DIO 4/2-IP65 24 V</p> <p>P/N 1108121326IP</p> <p>4 digital inputs, 2 relay outputs, changeover contact, manual operation level</p>	 <p>MB-DIO 2/1-IP65 230 V</p> <p>P/N 1108110526IP</p> <p>2 digital inputs, 1 relay output, changeover contact, manual operation level</p>	 <p>MB-DIO 4/2-IP65 230 V</p> <p>P/N 1108120526IP</p> <p>4 digital inputs, 2 relay outputs, changeover contact, manual operation level</p>	



We realize ideas

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