M-Bus Gateway

Increase productivity and reduce costs

The MBS gateways are based on the same product platform and therefore offer an extraordinary degree of versatility and flexibility: new gateway purchases are rendered unnecessary because the devices’ adaptability means new functionalities can simply be activated. The integrated M-Bus-adapter make the usual external bus couplers unnecessary, reducing the amount of wiring required and enabling faster connection to serial or network-based communication protocols. The integrated M-Bus driver allows you to automatically scan the M-Bus counters - autoconfig for BACnet, PROFINET and Modbus.
Specifications

**Standard LAN**
- **RJ45:** 10/100 MBit Ethernet
- **Link:** Indicates a LAN connection
- **10/100:** Indicates the connection speed

**PWR - Power**
- **Power supply**
  - V+: +12 to +24V DC or 12 to 24V AC
  - V-: GND or 12 to 24V AC

**LED**
- **Power:** Illuminated as soon as the device is connected to a suitable operating power supply
- **ST.:** Multicolor status LED
- **RX:** Flashes when the device is receiving data
- **TX:** Flashes when the device is sending data

**DIP-switch**
- **Bias:** Voltage
  - Bias: voltage
  - 120 Ohm: Termination resistance

**M-Bus**
- **M-Bus Connection**
  - + M-Bus Connection
  - - M-Bus Connection

**Integrated M-Bus level converter**
- For up to 30 standard loads max. 1.5mA. Master mode

**VERSION RS232**
- **COM1**
- **RS232**
- **TXD:** Sending line
- **RXD:** Receiving line
- **GND:** Ground connection
- **Shld:** Shielding

**VERSION RS485**
- **COM1**
- **RS485**
- **B+:** Non-inverted input
- **A-:** Inverted input
- **GND:** Ground connection
- **Shld:** Shielding

**DIP-switch**
- **Bias:** Voltage
  - Bias: voltage
  - 120 Ohm: Termination resistance

**M-Bus**
- **M-Bus Connection**
  - + M-Bus Connection
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**LED**
- **M-Bus RX**
- **M-Bus TX**
- **M-Bus Overload**

**Specification**
- **Power consumption:** 3.1 to 5.7 watts (1 to 30 M-Bus loads connected)
- **Weight:** 300 Gramm
- **Dimensions:** Height: 100mm, Width: 48 mm, Depth: 70mm (inclusive DIN-Top-hat rail adapter)
- **Ambient temperature:** 0...45°C, 32...113°F
- **Ambient humidity:** 20...80 percent relative humidity, non-condensing
- **Assembly:** DIN top-hat rail TS35 in accordance with EN 60715