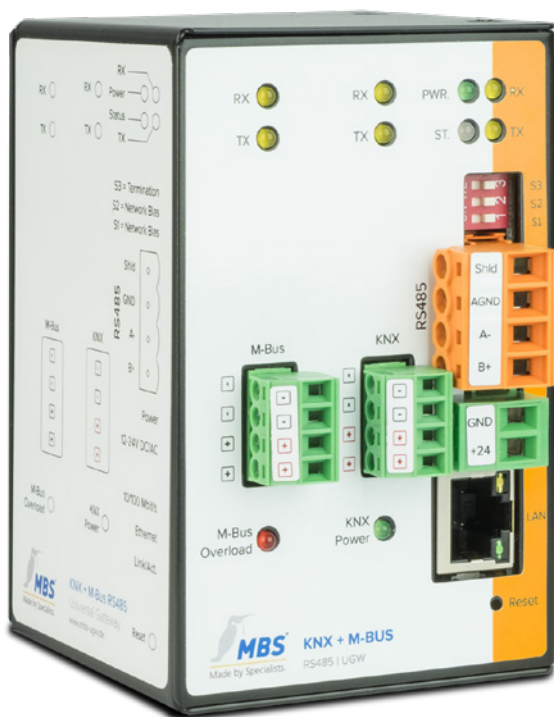


THE GATEWAY SOLUTION FOR YOUR BUSINESS



M-Bus + KNX

Increase productivity and reduce costs

The MBS universal 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+KNX-adapters make the usual external bus couplers unnecessary, reducing the amount of wiring required and enabling faster connection to serial or network-based communication protocols.

TECHNICAL DATA SHEET

M-Bus + KNX

OEM

Based on our modularity, we develop and manufacture cost-effective and time-efficient solutions for you which are highly innovative and guarantee a secure investment. Take advantage of the expertise we have accumulated over more than 30 years and our experience of customer projects in various industries.

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

Reset

Reset button

Version RS232

COM1
RS232
TXD: Sending line
RXD: Receiving line
SGND: Ground connection
Shld: Shielding

DIP-Switch

1: Not used
2: Not used
3: Not used

Version RS485 (Isolated 1kV)

COM1
RS485
B+: Non-inverted input
A-: Inverted input
SGND: Ground connection
Shld: shielding

DIP-Switch

Bias: voltage
Bias: voltage
120 Ohm: Termination resistance

M-Bus

+M-Bus Connection
+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

LED

RX: M-Bus
TX: M-Bus
Overload: M-Bus

KNX

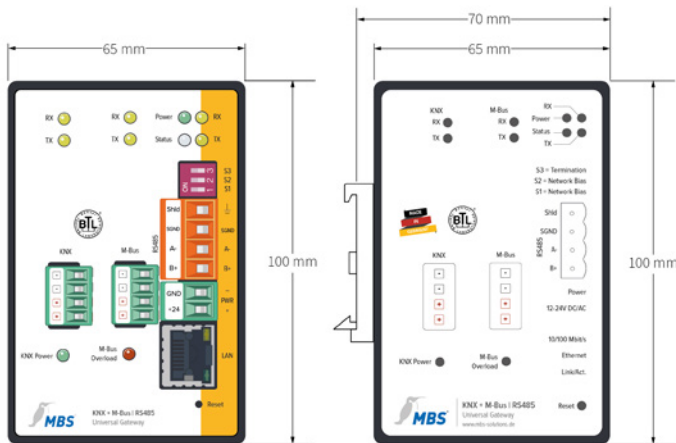
+: KNX Connection
+: KNX Connection
-: KNX Connection
-: KNX Connection

LED

KNX RX
KNX TX
KNX Power

Power consumption KNX Bus

Maximum 7mA
(The average current consumption is about 4mA)



Power supply for EIB connectivity:

For EIB connections, please ensure that a KNX power supply is provided by the customer.



Please ensure that your gateway is configured before it is put into operation.

Need help with configuration?

Contact us!

+49 21 51 72 94-0

vertrieb@mbs-solutions.de

Specifications

Power consumption: 2,4 watts

Weight: 400 grams

Dimensions: height: 100 mm, width: 65 mm, depth: 70 mm (incl. DIN top-hat rail adapter)

Ambient temperature: 0...45°C, 32...113°F

Ambient humidity: 20...80 per cent relative humidity, non-condensing

Protection class: IP20

Assembly: DIN top-hat rail TS35 in accordance with EN 60715

Article numbers

M-Bus + KNX with 25 DP: RS-485: Art.-Nr. 11-0057 RS-232: Art.-Nr. 11-0079

You need more than 25 data points?

up to 200 DP: Art.-Nr. 13-0002

up to 1.000 DP: Art.-Nr. 13-0004

up to 500 DP: Art.-Nr. 13-0003

up to 2.500 DP: Art.-Nr. 13-0005

Please remember to include the required communication protocols in your order.

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*This product is CE certified
*Specifications subject to change



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