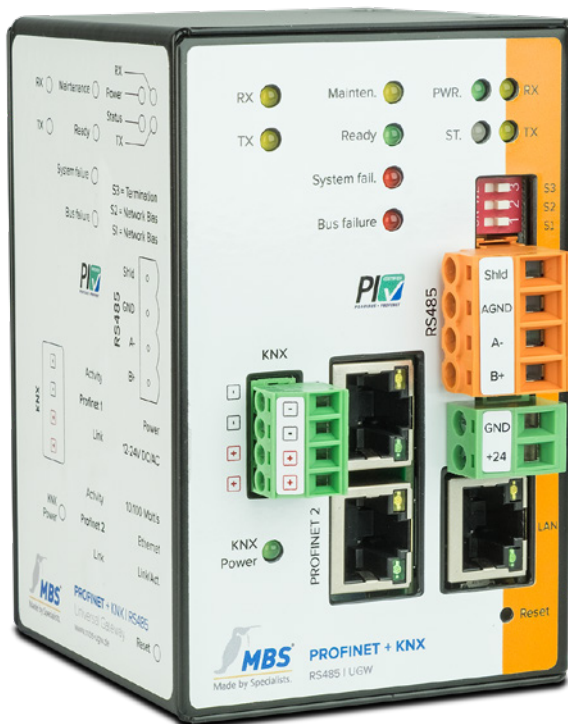


THE GATEWAY SOLUTION FOR YOUR BUSINESS



PROFINET + 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 PROFINET + KNX 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.

Communication S7-CPU with PROFINET + KNX

Are you looking for an application description for communication between a SIMATIC SPS and an MBS gateway model PROFINET + KNX in a BACnet network?

For information on the configuration of SIMATIC SPS and PROFINET + KNX Gateway, please see the Siemens Support page or download the corresponding information there.

This application example demonstrates how to configure communication between a SIMATIC SPS and a BACnet network with a gateway project.

DE: <https://support.industry.siemens.com>

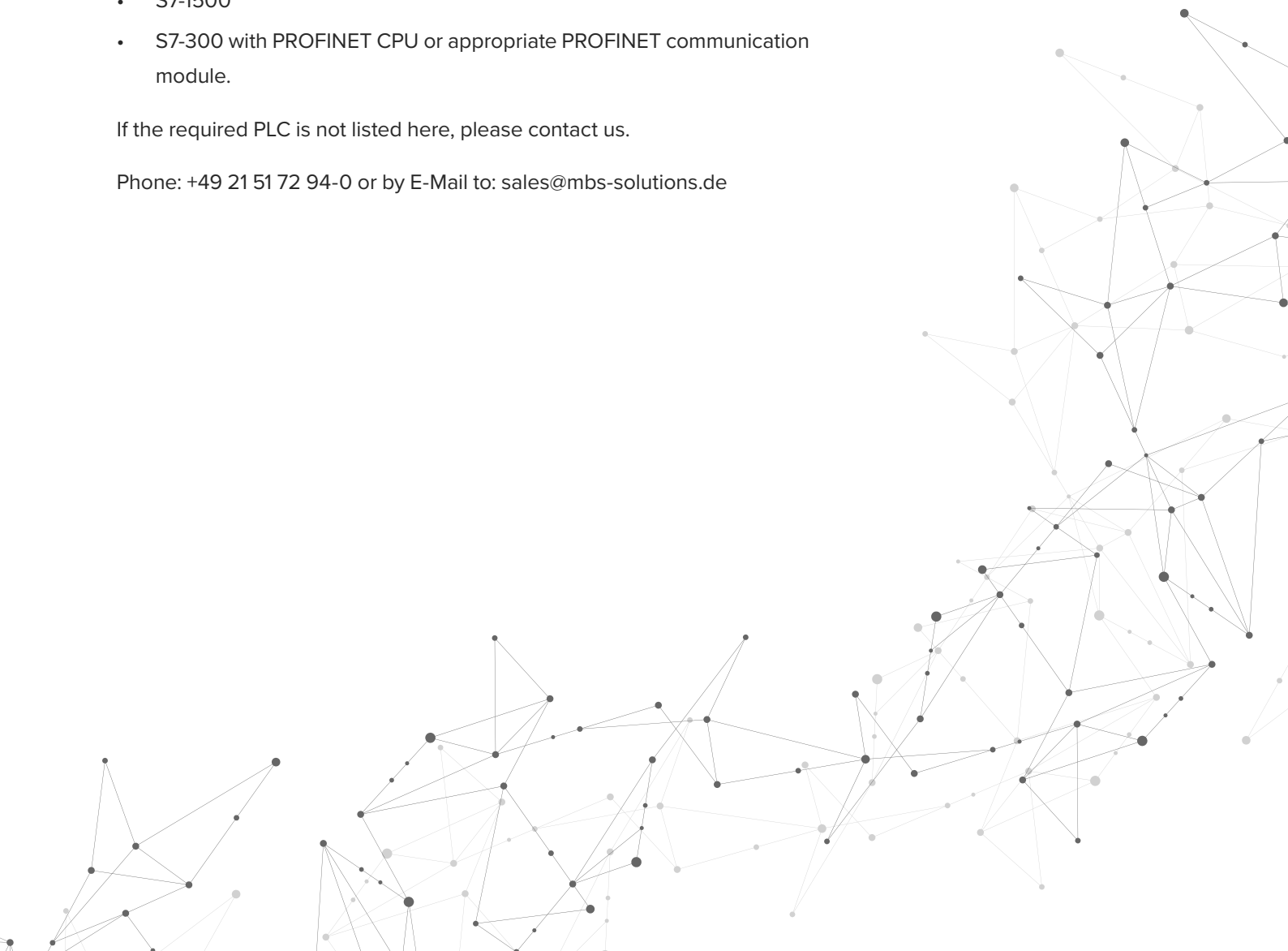
EN: <https://support.industry.siemens.com>

We support the following Siemens control systems:

- S7-1200
- S7-1500
- S7-300 with PROFINET CPU or appropriate PROFINET communication module.

If the required PLC is not listed here, please contact us.

Phone: +49 21 51 72 94-0 or by E-Mail to: sales@mbs-solutions.de



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

PROFINET 1

Profinet Version 2.3 RT | Activity | Link

PROFINET 2

Profinet Version 2.3 RT | Activity | Link

LED

Profinet maintenance, configuration
Profinet Ready
Profinet System error
Profinet Bus error

KNX

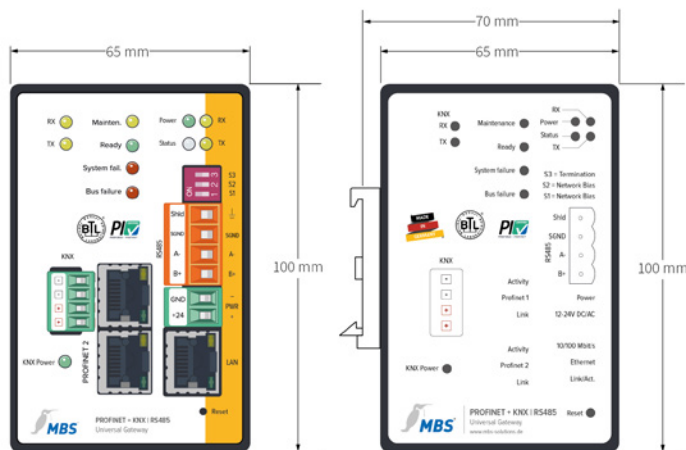
+: KNX Connection
+: KNX Connection
-: KNX Connection
-: KNX Connection

LED

Rx: KNX
Tx: KNX
Power: KNX

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: 3,1 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

PROFINET+KNX with 25 DP: RS-485: Art.-Nr. 11-0066 RS-232: Art.-Nr. 11-0083

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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Responsible for contents according to § 6 MDSV: Gerhard Memmen-Krüger, Nils-Gunnar Fritz

*This product is CE certified
*Specifications subject to change



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