THE
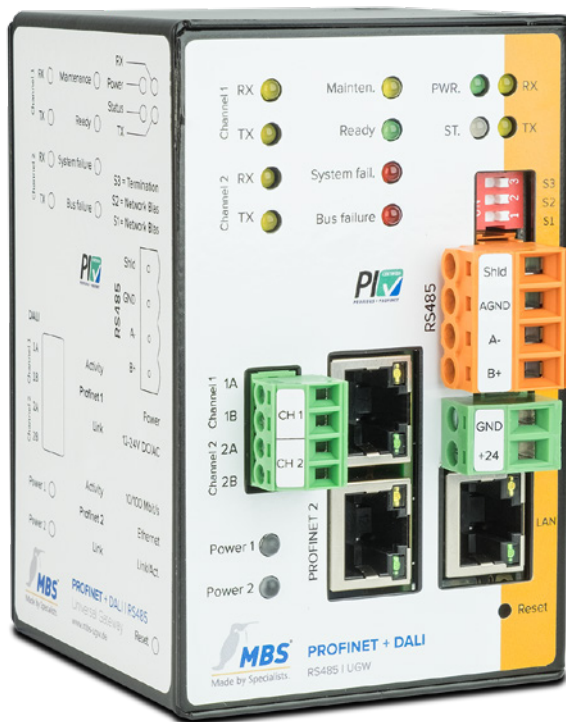# GATEWAY SOLUTION
FOR YOUR BUSINESS

PROFINET + DALI
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 + DALI 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.

SIEMENS
S7-CPU READY

Communication S7-CPU with PROFINET + DALI

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

For information on the configuration of SIMATIC SPS and PROFINET + DALI 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.
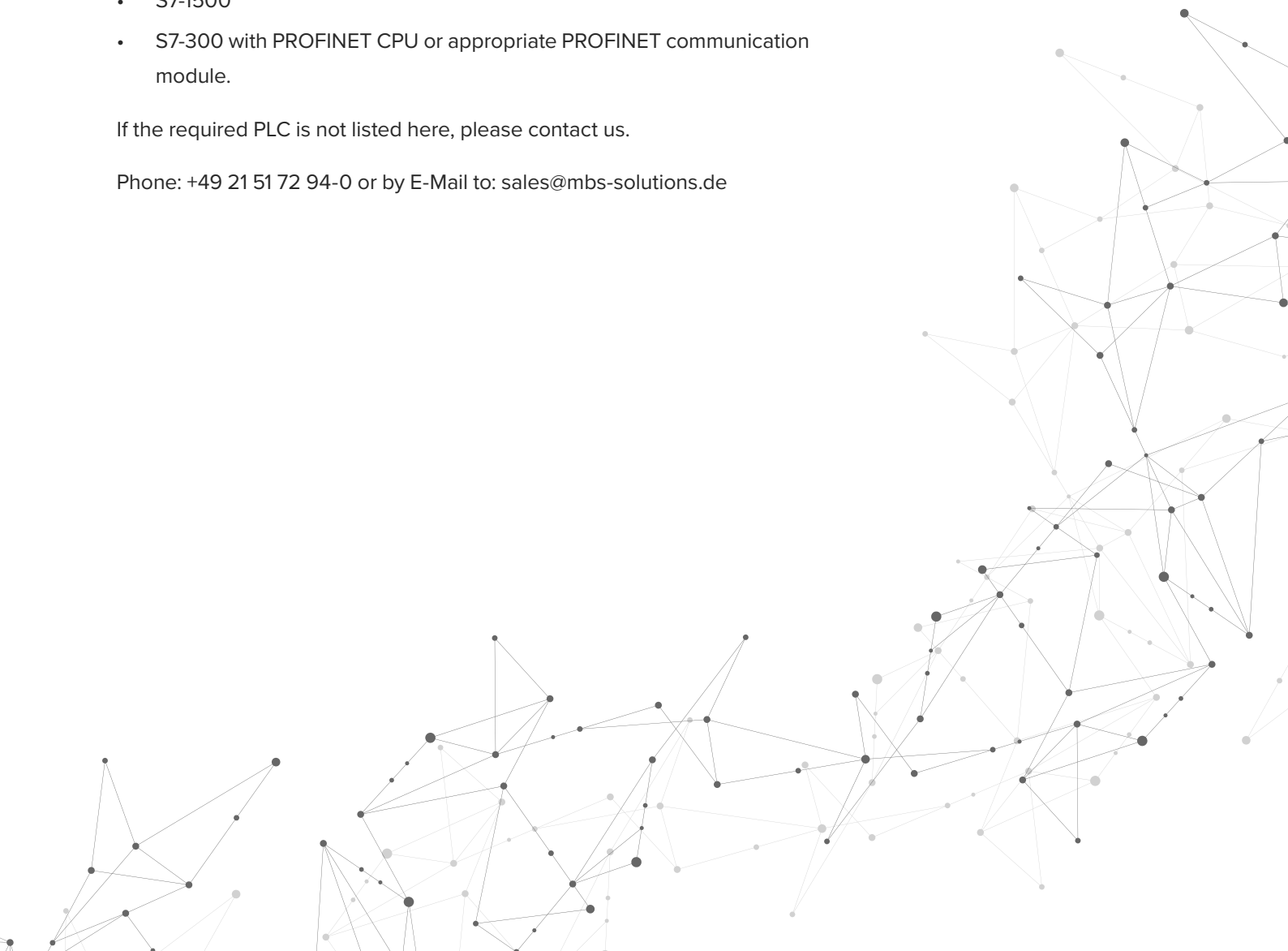
DE: https://support.industry.siemens.com

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

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

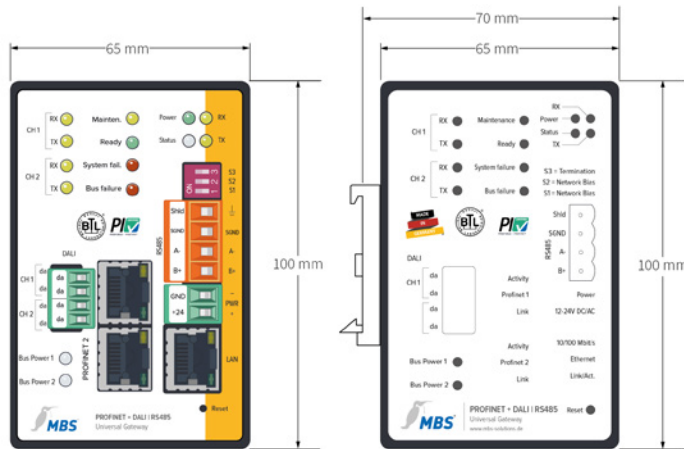**PROFINET 2**
Profinet Version 2.3 RT | Activity | Link

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

DALI

Channel 1	Channel 2
• 1A	• 2A
• 1B	• 2B

LED
RX: Channel 1 - DALI
TX: Channel 1 - DALI
RX: Channel 2 - DALI
TX: Channel 2 - DALI

.info

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+DALI with 25 DP: RS-485: Art.-Nr. 11-0063 **RS-232:** Art.-Nr. 11-0082
You need more than 25 data points?

up to 200 DP: Art.-Nr. 13-0002	**up to 500 DP:** Art.-Nr. 13-0003
up to 1.000 DP: Art.-Nr- 13-0004	**up to 2.500 DP:** Art.-Nr. 13-0005

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

*This product is CE certified
*Specifications subject to change

CE UKCA UKNI RoHS compliant