



Line-TCPRS1

Line-TCPRS1, RS-485/RS-232 to Ethernet/Wi-Fi converter (ModbusTCP/TCP/UDP)
Integrated web server and mobile app (MyConfig) for configuration,

Code: D80030.

Description

Physical media conversion gateway, designed to connect Modbus RTU devices with Modbus TCP/IP networks. Its compact DIN rail design (3 modules) allows for easy installation and adaptability to multiple environments. Each gateway can manage up to 32 locally connected Modbus RTU devices and supports direct interconnection with modules from the Line range via the lateral bus, eliminating the need for additional communication bus cabling. It also includes RS-485 and RS-232 terminals to connect external equipment outside the Line range, providing maximum flexibility for integration. They offer features such as:

- Ethernet/Wi-Fi communication for Modbus TCP/IP.
- Serial RS-232/RS-485 communication for Modbus RTU.
- Connects up to 8 devices via the Line bus through the lateral bus without additional cabling.
- Integrated web server with an intuitive and user-friendly interface for advanced Wi-Fi settings.
- Compatible with the MyConfig app, for fast and easy set-up.

Application

Thanks to its direct conversion between Modbus RTU and Modbus TCP/IP, these gateways are ideal for integration projects involving RS-485 communication devices that need to be monitored or controlled over Ethernet or Wi-Fi networks. Typical applications include:

- Modular integration with Line range devices for centralised control and monitoring solutions.
- Automation of utility infrastructures through PLC or BMS integration.
- Monitoring and control of Modbus RTU devices from cloud platforms or centralised supervision systems.
- Modernisation of existing installations by adding TCP/IP connectivity without modifying RS-232/RS-485 cabling.



Line-TCPRS1

Modbus RTU to Modbus TCP/IP conversion gateway

Code: D80030.

Specifications

AC power supply

| | |
|-----------------------|-----------------|
| Installation category | CAT III 300V |
| Consumption | 3,5 ... 7,5 VA |
| Frequency | 50 ... 60 Hz |
| Nominal voltage | 100 ... 264 V ~ |

DC power supply

| | |
|-----------------|-----------------|
| Consumption | 2 ... 2,5 W |
| Nominal voltage | 100 ... 300 Vdc |

Mechanical characteristics

| | |
|----------------------------------|-------------------------------|
| Size (mm) width x height x depth | 52.5 x 117.85 x 70 (mm) |
| Envelope | Self-extinguishing V0 plastic |
| Fastening | DIN rail (IEC 60715) |
| Weight (kg) | 0,192 |

Environmental characteristics

| | |
|--|-------------------|
| Protection class | IP30, Front: IP40 |
| Relative humidity (without condensation) | 5 ... 95% |
| Storage temperature | -20 ... +70 °C |
| Working temperature | -10 ... +50 °C |

Communication Network

| | |
|------------------------|----------|
| Technology / Interface | Ethernet |
|------------------------|----------|

Standards

| | |
|--|--|
| Electrical safety, Maximum height (m) | 2000 |
| Electrical safety, Installation category | CAT III 300 V |
| Standards | UNE-EN 61010-1, UNE-EN 61000-6-2, UNE-EN 61000-6-4 |

User interface

| | |
|-----|-------|
| LED | 7 LED |
|-----|-------|

Wireless communication

| | |
|-------------------|-------|
| Technology / Type | Wi-Fi |
|-------------------|-------|

Line-TCPRS1

RS-485 to Ethernet or Wi-Fi converter



Line-TCPRS1

Modbus RTU to Modbus TCP/IP conversion gateway

Code: D80030.

| CODE | TYPE | Description |
|---------------------------|-------------|---|
| Ethernet converter | | |
| D80030. | Line-TCPRS1 | RS-485/RS-232 to Ethernet/Wi-Fi converter (ModbusTCP/TCP/UDP) Integrated web server and mobile app (MyConfig) for configuration |

Line-TCPRS1: Power supply 100... 264 VAC /100... 300 VDC



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Modbus RTU to Modbus TCP/IP conversion gateway

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Dimensions

