Technical features

Type	Code
TCP1RS+	M62121
General features	
Network protocols	TCP / UDP / MODBUS TCP
Ethernet	Self-detecting 10BaseT / 100BaseTX (RJ-45)
Serial port	RS-485 tres cables (A/B/GND)
Serial port speed	1,200...115,200 bps
Data bits	7 / 8
Stop bits	1 / 2
Parity	even, odd, none
Diagnosis LEDs	Power / Link-Activity / RX-TX
Versatile power supply	196…264 Vac
Power supply connection	Metallic terminals for "posidraft" screws
Build features	
Box	Self-extinguishible polycarbonate UL94 PV0
Protection degree	IP 20
Mounting	DIN rail 46277 (2 modules)
Environmental conditions	
Operating temperature	-10 ... +60 °C
Humidity (without condensation)	5 … 95%
Maximum altitude	2000 m

Safety

Designed for CAT III 300/520 Vac installations, in accordance with **EN 61010**. Double-insulated electric shock protection, class II

Standards

IEC 60664, **VDE 0110**, **UL 94**, **EN61010-1**, **EN55011**, **EN 61000-4-2**, **EN 61000-4-3**, **61000-4-11**, **EN 61000-6-4**, **EN 61000-6-2**, **EN 61000-6-1**, **EN 61000-6-3**, **EN 61000-4-5**, **CE**

M Measurement and Control

TCP1RS+

RS-485 - Ethernet Converter

Economical, powerful and industrial!
New generation of TCP1RS+

CIRCUTOR
Energy efficiency technology

Features

TCP1RS+ is a gateway designed to convert the Ethernet physical environment to RS-485. The unit can be fully customised with the software provided, allowing to configure any parameter related to the Ethernet or serial communications ports.

- *Easy configuration of all communication parameters*
- *Multiple Ethernet communications protocols (UDP, TCP, ModbusTCP)*
- *Self-detecting 10/100BaseTX connection*
- *Connection of up to 32 units on the bus (RS-485)*
- *Compatible with any other market application*

1! Economical

TCP1RS+ is a product with a exceptional cost benefit ratio. Adding its adaptability to any application, this converter is the unique of its kind in the market in terms of technical features and cost.

3! Industrial

TCP1RS+ is the only converter in its segment with a multi-range power supply (196…264 Vac) that can be mounted on a DIN rail using only two modules. It is the perfect unit to be integrated and installed in modular low voltage panels.

2! Powerful

TCP1RS+ is a converter that offers a high reliability, stability and robustness. In structured environments the unit can work in different addressing modes: fixed IP or through DHCP assignment if the application requires it. In the physical Ethernet environment, the unit can be configured in encapsulated TCP, UDP and even Modbus/TCP in multi-master mode.