

TCP1RS+

Ethernet to RS-485 converter



Description

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

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 allows configuration in encapsulated TCP, UDP and even Modbus/TCP in multi-master mode.

Other features include:

- Multi-range power supply (196...253 Va.c.)
- Mounting on DIN rail (2 modules)

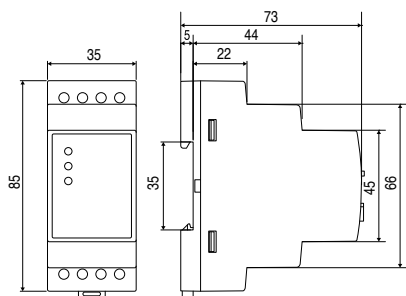
Applications

- Conversion of Ethernet signals to RS-485.

References

Type	Code
TCP1RS+	M62121

Dimensions



Technical features

General features	Network Protocols	TCP / UDP / MODBUS TCP / HTTP
	Ethernet	10BaseT / 100BaseTX self-detecting (RJ-45)
	Serial communications port	RS-485 three-wire (A/B/GND)
	Serial port speed	1.200...115.200 bps
	Data bits	7 / 8
	Stop bits	1 / 2
	Parity	even, odd, none
	Diagnosis LED	Power / Link-Activity / RX-TX
	Versatile power supply	196...253 Va.c.
	Power supply connection	Metallic terminals for "posidraft" screws
Building features	Enclosure	Self-extinguishing polycarbonate UL94 PV0
	Protection degree	IP 20
	Mounting	DIN Rail 46277 (2 modules)
Environmental conditions	Working temperature	-10 ... +60 °C B
	Humidity (without condensation)	5...95%
	Maximum altitude	2000 m
Safety	Designed for CAT III 300/520 Va.c. 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	