Circutor

TCPRS1+PSDC

TCPRS1+PSDC, RS-485 / Ethernet converter / Wi-Fi

Code: M62432.

> Protocol: TCP |UDP|Modbus TCP|HTTP (Web server)-REST
> Communications: Ethernet, Wi-Fi

Description

The **TCPRS1+** is a gateway designed to convert a physical environment (RS-485) to Ethernet and/or Wi-Fi. The device features a Web Server and the **"MyConfig Wifi"** app (Android), from which the user can fully edit the configuration parameters of the device.

Other features:

○ The device is for installation inside a medium or low voltage electric panel or enclosure, with DIN rail mounting (IEC 60715).
○ The TCPRS1+ comes with DHCP enabled by default.
○ Connect up to 32 devices on the RS-485 communications bus.

Application

For any installation that has multiple RS-485 communications devices that require monitoring via Wi-Fi or Ethernet.
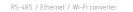
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RS-485 to Ethernet converter / Wi-Fi

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Specifications

DC power supply

Installation category	CAT III 50V
Consumption	2 … 2,5 W
Nominal voltage	10 … 36 Vdc

Mechanical characteristics

Size (mm) width x height x depth	35 x 109.45 x 70 (mm)
Envelope	Self-extinguishing V0 plastic
Fastening	DIN rail
Weight (kg)	0,126

Environmental characteristics

Protection class	IP30, Front: IP40|IK08
Relative humidity (without condensation)	5 … 95%
Storage temperature	-20 … +70 ℃
Working temperature	-20 … +60 ℃

Communication Network

Protocol	TCP|UDP|Modbus TCP|HTTP (Web server)-REST
Technology / Type	Ethernet

Standards

Electrical safety, Maximum height (m)	2000
Standards	EN 62368-1:2020/A11:2020/ AC:2020-05, ETSI EN 301 489-1 V2.2.3, ETSI EN 301 489-17 V3.2.6, ETSI EN 300 328 V2.2.2, UNE-EN IEC 62311, UNE-EN 60068-2-78, UNE-EN 60068-2-1, UNE-EN 60068-2-2, UNE-EN 61010-1, UNE-EN 61000-4-2, UNE-EN 61000-4-4, UNE-EN 61000-4-5, UNE-EN 61000-4-6, UNE-EN 61000-4-8, UNE-EN 61000-4-20, UNE-EN 55016-2-1.

User interface

LED	6 LED

Serial communication

Technology / Type	RS-485

Wireless communication

Technology / Type	Wi-Fi

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RS-485 / Ethernet / Wi-Fi converter

CODE	TYPE	Communications	Protocol
Ethernet			
M62422.	TCPRS1+	RS-485, Ethernet, Wi-Fi	TCP/IP	UDP	Modbus TCP/IP	HTTP (Web server)
M62432.	TCPRS1+PSDC	RS-485, Ethernet, Wi-Fi	TCP |UDP|Modbus TCP|HTTP (Web server)-REST

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Dimensions

Connections