Data Sheet | Item Number: 2789-9052

Communication module; Modbus TCP; communication capability

https://www.wago.com/2789-9052



Features:

- WAGO's communication module snaps onto a Pro 2 Power Supply's communication interface.
- Modbus TCP/UDP
- Suitable for monitoring the subordinate power supply
- Function blocks for standard control systems available upon request
- Integrated ETHERNET switch for convenient wiring
- Marker slot for WAGO marking cards (WMB) and WAGO marking strips

Technical data

Input

Nominal input voltage $U_{i\,nom}$	DC 5 V (SELV)
Nominal input current at U_N	210 mA (typ.)

Signaling and communication

Signaling	1 x ERR LED (red) 1 x COM OK LED (green) 1 x LED LNK/ACTx (green) 1 x LED SPEEDx (orange)
Communication	Modbus (TCP, UDP)
ETHERNET protocols	HTTP(S) BootP DHCP SNTP
Configuration options	Web-Based Management
Visualization	Web-Visu
Baud rate	100 MBd (ETHERNET: 10/100 Mbit/s)
Transmission medium (communication/ fieldbus)	ETHERNET: Twisted pair S-UTP; 100 Ω; Cat. 5

Safety and protection

Test voltage (fieldbus)	0.775 kVAC; 50 Hz; 1 min
Protection class	III
Insulation type	Functional insulation
Protection type	IP20; per EN 60529
Overvoltage category	III
Pollution degree	2

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Connection data

Connection type 1	Modbus TCP/UDP
Cable length (max.)	100 m
Transmission medium	ETHERNET: Twisted pair S-UTP; 100 Ω; Cat. 5

Physical data

Width	35 mm / 1.378 inches
Height	80 mm / 3.15 inches
Depth	22 mm / 0.866 inches
Note (dimensions)	Depth in mounted state

Mechanical data

Mounting type	Snaps onto a Pro 2 Power Supply's communication interface (X4)

Material data

Fire load	0 MJ
Weight	45 g

Environmental requirements

Ambient temperature (operation)	-40 … +55 °C
Ambient temperature (storage)	-40 … +85 °C
Relative humidity	5 … 95 % (no condensation permissible)
Operating altitude (max.)	5000 m

Standards and specifications

Conformity marking	CE
Standards/specifications	EN 61010-1 EN 61010-2-201 EN 61204-3 UL 61010-1 UL 61010-2-201

Commercial data

ETIM 8.0	EC002498
ETIM 7.0	EC002498
PU (SPU)	1 pcs
Country of origin	CN
Customs tariff number	85176200000

Environmental Product Compliance

RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II

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Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc.	UL 61010-2-201	UL-US-L175199-14-42709102-1_UL-CA-L175199-44-42709102-2

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for hazardous areas

Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2789-9052

Documentation

Manual

Product Manual Communication Module Modbus TCP; Communication capacity	V 1.2.0 19.07.2023	pdf 14471.62 KB

Bid Text

2789-9052	11.05.2022	docx 29.10 KB
2789-9052	11.05.2022	xml 5.64 KB

Instruction Leaflet

Communication Module; Modbus TCP	V 1.0.0 27.10.2021	pdf 3239.74 KB

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CAD/CAE-Data

CAD data	CAE data
2D/3D Models 2789-9052	EPLAN Data Portal 2789-9052

Runtime Software

Firmware			
2789-9052; Pro 2 Kommunikationsmodul Modbus TCP	V 1.34 18.08.2023	zip 428.29 KB	

1 Compatible Products

1.1 Optional Accessories

1.1.1 Marking

1.1.1.1 Marker carrier

Item No.: 2789-1233
Marker carrier; for WMB or marking strips; Length: 33 mm