

Data Sheet | Item Number: 2789-9023

Communication module; EtherNet/IP; MQTT; communication capability

<https://www.wago.com/2789-9023>



Features:

- WAGO's communication module snaps onto a Pro 2 Power Supply's communication interface.
- EtherNet/IP™ + MQTT
- 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		Signaling and communication	
Nominal input voltage $U_{i, nom}$	DC 5 V (SELV)	Signaling	1 x ERR LED (red) 1 x COM OK LED (green) 1 x LED LNK/ACTx (green) 1 x LED SPEEDx (orange)
Nominal input current at U_N	250 mA (max.)	Communication	EtherNet/IP™
		ETHERNET protocols	HTTP(S) BootP DHCP SNTP MQTT
		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

Connection data

Connection type 1	EtherNet/IP™
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)
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Material data

Fire load	0 MJ
Weight	70 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

PU (SPU)	1 pcs
Country of origin	CN
Customs tariff number	8517620000

Environmental Product Compliance

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

Approvals / Certificates

General approvals **Declarations of conformity and manufacturer's declarations**



Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081
UL Underwriters Laboratories Inc.	UL 61010-2-201	UL-US- L175199-14-42709102-1_UL- CA- L175199-44-42709102-2

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Approvals for hazardous areas



Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc. (HAZARDOUS LOCA- TIONS)	UL 121201	E198726

Downloads

Environmental Product Compliance


Compliance Search

Environmental Product
Compliance 2789-9023




Documentation

Manual

Product Manual Com- munication Module; EtherNet/IP; communi- cation capability	V 1.1.0 19.07.2023	pdf 13343.63 KB	
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Instruction Leaflet

EtherNet/IP Communi- kation module	V 1.0.0 22.11.2022	pdf 3386.13 KB	
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CAD/CAE-Data


CAD data

2D/3D Models
2789-9023




Runtime Software


Firmware

2789-9023; Pro 2 Kom- munikationsmodul EtherNet/IP	V 1.34 24.01.2024	zip 428.27 KB	
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Libraries

Device Description File

Device description file 2789-9023 1.0	1.0	txt 9.97 KB	
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Device description file 2789-9023 1.1	1.1	txt 9.97 KB	
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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