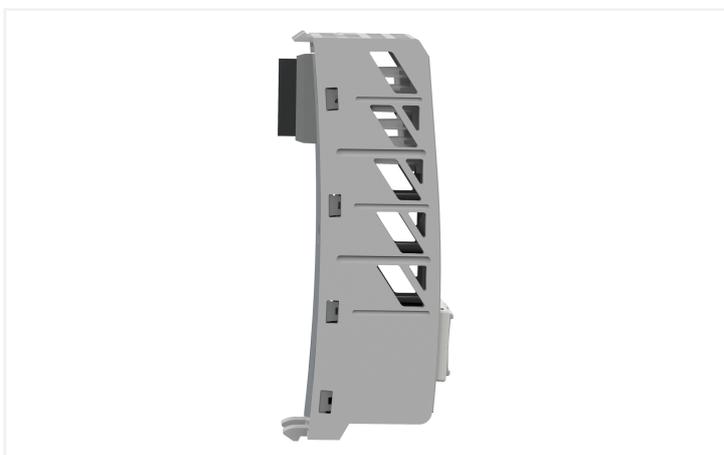


# Data Sheet | Item Number: 2789-9023

Communication module; EtherNet/IP; MQTT Pub/Sub; 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

Nominal input voltage $U_{I, nom}$	5 VDC (SELV)
Nominal input current at $U_N$	250 mA (max.)

### 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)
Communications	EtherNet/IP™
ETHERNET protocols	HTTP(S) BootP DHCP SNTP MQTT
Configuration options	Web-Based Management
Visualization	Web-Visu
Transmission 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

Cable length (max.)	100 m
Transmission medium	ETHERNET: Twisted pair S-UTP; 100 Ω; Cat. 5

### Connection 1

Connection type	EtherNet/IP™
Pluggable connector	2 x RJ-45

## 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 the communication interface (X4) of a Pro 2 Power Supply
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## 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

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
Customs tariff number	85176200000

### Product Classification

UNSPSC	32151705
ETIM 9.0	EC002498
ETIM 10.0	EC002498
ECCN	NO US CLASSIFICATION

### Environmental Product Compliance

CAS-No.	1303-86-2 1317-36-8 7439-92-1
REACH Candidate List Substance	Diboron trioxide Lead Lead monoxide
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	7(c)-I
SCIP notification number (Austria)	610724ca-6d43-4775-a239-f42cf7fff0f6
SCIP notification number (Belgium)	b03778b3-1f97-431b-a5c0-5d7f40e8b00a
SCIP notification number (Bulgaria)	ef1fcf8a-5ec1-4469-a961-dd2347b1a519
SCIP notification number (Czech Republic)	b5b2e0fa-d027-4019-9de7-50ea75318d9a
SCIP notification number (Denmark)	b284f94b-ca8d-478e-bc10-dcdf56faf2d2
SCIP notification number (Finland)	ccf5126a-3da7-40bd-8ed6-917548faec3a
SCIP notification number (France)	1b1e1d0a-9f61-4953-b924-4f552eb0f8f4
SCIP notification number (Germany)	4b998730-2b5c-4104-bd25-25964afdf41c
SCIP notification number (Hungary)	8e3ee64f-c1c7-4d6c-b515-82a1e3bf5246
SCIP notification number (Italy)	d5a825b3-dc6a-44ad-8f72-7be17aeba5c4
SCIP notification number (Netherlands)	9b08ad25-45f8-4cf5-800b-71fdfa69059c
SCIP notification number (Poland)	d658c93c-ceb7-4fd3-86f9-92208bc5f4bd
SCIP notification number (Romania)	a7297ef4-bab4-4622-a392-4e5d27cbcabd
SCIP notification number (Sweden)	882f52ce-f816-47e7-9db4-f791207000f1

Approvals / Certificates

General approvals



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

Declarations of conformity and manufacturer's declarations

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- cation 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 Kommunikationsmodul 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	
Device description file 2789-9023 1.1	1.1	txt 9.97 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