

Data Sheet | Item Number: 2789-9015

Communication module; Modbus RTU; RJ45; communication capability

<https://www.wago.com/2789-9015>



Features:

- This communication module snaps onto a Pro 2 Power Supply's communication interface.
- Modbus RTU (RS-485)
- Suitable for monitoring the lower-level power supply
- Function blocks for standard control systems available upon request
- Pluggable connection technology
- Marker slot for WAGO's marking cards (WMB) and WAGO's marking strips
- Requires RJ-45 terminating resistor (120 Ω) for long cables (2789-9915)

Technical data

Input

Nominal input voltage U_{nom}	5 VDC (SELV)
Input voltage range	4.5 ... 5.5 VDC (SELV)

Signaling and Communication

Signaling	1 x LED PWR (green) 1 x RxD LED (yellow) 1 x TxD LED (yellow)
Communications	Modbus RTU via RS-485
Transmission rate	4.8 ... 115.2 kBd
Number of devices (max.)	247
Transmission medium (communication/ fieldbus)	Shielded copper cable

Safety and protection

Test voltage (input/output)	2 kVAC; 50 Hz; 1 min
Test voltage (input/output/shield)	1 kVAC; 50 Hz; 1 min
Protection class	III
Insulation type	Functional insulation
Protection type	IP20; per EN 60529
Pollution degree	2

Connection Data

Transmission medium	Shielded copper cable	Connection 1	
		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	35 g

Environmental requirements

Ambient temperature (operation)	-25 ... +70 °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 UL HazLoc

Commercial data

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

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	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	ed3d11ae-e2cc-431c-a7da-742bb77a5bef
SCIP notification number (Belgium)	1be21ba2-aa0d-4e1a-939e-d330fe737839
SCIP notification number (Bulgaria)	b678e2ff-57ab-4e94-b49b-e60ab5240526
SCIP notification number (Czech Republic)	34afb2e-3ff9-4298-8845-281fae4e32b1
SCIP notification number (Denmark)	80e0e44b-2d47-44fb-bf7f-e07680faa3c9
SCIP notification number (Finland)	15b393dc-5184-41f0-8aef-a6881cd6f7c6
SCIP notification number (France)	37a388c7-7ba8-406b-9eb6-56120dbaea89
SCIP notification number (Germany)	98801cb8-1ff0-4b69-97d3-02ad71250fd9
SCIP notification number (Hungary)	98cb9b29-76a1-49e7-93cc-72801b8034d4
SCIP notification number (Italy)	1c5720c6-13db-4393-971c-576ca1007596
SCIP notification number (Netherlands)	15876054-7420-41a2-b121-07d5a5bf26cc
SCIP notification number (Poland)	c48bc48c-f12a-4bcb-bfc0-fd60efcb884f
SCIP notification number (Romania)	26c99ac4-d488-455a-8ade-739041aff4bf
SCIP notification number (Sweden)	31885e80-cd0f-4aa6-9ff8-dbe36cde3c9d

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	-	-

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 2789-9015



Documentation

Manual

Product Manual Communication Module Modbus RTU; RJ45	V 1.1.0 19.07.2023	pdf 3765.89 KB	
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Bid Text

2789-9015	24.08.2020	xml 5.02 KB	
2789-9015	24.08.2020	docx 24.19 KB	
ausschreiben.de 2789-9015			

Instruction Leaflet

WAGO Kommunikationsmodul Modbus RTU	V 1.1.0 03.12.2020	pdf 2992.36 KB	
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CAD/CAE-Data

CAD data

2D/3D Models 2789-9015	
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CAE data

EPLAN Data Portal 2789-9015	
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1 Compatible Products

1.1 Optional Accessories

1.1.1 Communication

1.1.1.1 Communication Module



Item No.: 2789-9915

Modbus RTU termination resistor; RJ45

1.1.2 Marking

1.1.2.1 Marker



Item No.: 2009-115

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

1.1.2.2 Marker carrier



Item No.: 2789-1233

Marker carrier; for WMB or marking strips;
Length: 33 mm

1.1.2.3 Marking strip



Item No.: 2009-110

Marking strips; for Smart Printer; on reel;
not stretchable; plain; snap-on type; white

1.1.3 Tool

1.1.3.1 Operating tool



Item No.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a
partially insulated shaft; multicoloured