

Data sheet | Item number: 2789-9015

Communication module; Modbus RTU; RJ45; communication capability

www.wago.com/2789-9015



Item description

Features:

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

Data

Technical data

Input

Nominal input voltage $U_{i \text{ nom}}$	DC 5 V (SELV)
Input voltage range	DC 4.5 ... 5.5 V(SELV)
Input current I_i	≤ 0.04 A

Subject to changes. Please also observe the further product documentation!

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Signaling and Communication

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

Safety and protection

Test voltage (input/output)	AC 2 kV; 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

Connector	2 x RJ-45
Transmission medium	Shielded copper cable

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

Weight	35 g
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Environmental requirements

Ambient temperature (operation)	-25 ... +70 °C
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Subject to changes. Please also observe the further product documentation!



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

ETIM 8.0	EC002498
ETIM 7.0	EC002498
PU (SPU)	1 pcs
Country of origin	CN
GTIN	4055144020281
Customs tariff number	85176200000

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(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	0976d42a-c2c8-4136-8f6a-83e1a053e16c
SCIP notification number (Belgium)	54adb346-d21e-4ea7-b0ee-83ebfe46543e
SCIP notification number (Bulgaria)	96706f7e-28fc-4f91-86cf-e91444d8d395
SCIP notification number (Czech Republic)	51bfd8cb-8790-4271-9fe2-0866e4d8e1eb
SCIP notification number (Denmark)	e9a595e0-7fc7-4625-ba06-bde55e8919a1
SCIP notification number (Finland)	74ceaaa8-ba91-4251-841c-c25884fc4936
SCIP notification number (France)	873a5c6d-97fa-4934-917e-c8fb3bf3870c

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SCIP notification number (Germany)	98801cb8-1ff0-4b69-97d3-02ad71250fd9
SCIP notification number (Hungary)	f2551404-d86c-4530-8e46-39263f259745
SCIP notification number (Italy)	6e5fd242-379c-489a-84bc-b8702da33147
SCIP notification number (Netherlands)	aebeff83-3c27-4e98-a72b-298caa8df60e
SCIP notification number (Poland)	e96dd2d3-6d3e-48ce-8a1d-58bc4ef431f0
SCIP notification number (Romania)	f4212aa6-c5ca-40e4-bc9e-b649f6565d29
SCIP notification number (Sweden)	38e7e7e8-cb07-4980-8b1b-2edf592f269a

Approvals / Certificates


General approvals

Logo	Approval	Additional Approval Text	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

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for hazardous areas

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726

Optional accessories

Tool

Operating tool

Subject to changes. Please also observe the further product documentation!



Item no.: 210-720

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

www.wago.com/210-720

Communication

Communication module



Item no.: 2789-9915

Modbus RTU termination resistor; RJ45

www.wago.com/2789-9915

Marking accessories

Marking strip



Item no.: 2009-110

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

www.wago.com/2009-110

Marker carrier



Item no.: 2789-1233

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

www.wago.com/2789-1233

Marker



Item no.: 2009-115

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

www.wago.com/2009-115

Downloads

Documentation

Manual

Product Manual Communication Module Modbus RTU; RJ45	V 1.0.1	pdf	Download
Communication capability	2020 Nov 16	2.1 MB	

Bid Text

2789-9015	2020 Aug 24	xml	Download
X81 - Datei		5.1 kB	
2789-9015	2020 Aug 24	docx	Download
docx - Datei		24.8 kB	
ausschreiben.de 2789-9015		URL	Download

Instruction Leaflet

WAGO Kommunikationsmodul Modbus RTU

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Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download
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CAD/CAE-Data

CAE data

EPLAN Data Portal 2789-9015		URL	Download
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CAD data

2D/3D Models 2789-9015		URL	Download
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Environmental Product Compliance

Compliance Search

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Installation Notes

Product family

Pro 2
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