

| : 2789-9015

Communication module; Modbus RTU; RJ45; communication capability

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



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)

Technical data

Input

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

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

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
Note on protection type	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

Fire load	0 MJ
Weight	35 g

Environmental requirements

Ambient temperature (operation)	-25 ... +70 °C
Surrounding air 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 Pieces
Country of origin VKOrg Germany	CN
GTIN	4055144020281
Customs tariff number VKOrg Germany	85044082900

Approvals and certificates

Ex-Approvals



UL	UL 121201	E198726
Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)		

UL-Approvals



UL	UL 61010-2-201	E175199
Underwriters Laboratories Inc. (ORDINARY LOCATIONS)		

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product
Compliance 2789-9015



Documentation

Manual

Communication Module V 1.0.1 pdf
Modbus RTU; RJ45 16.11.2020 2034.34 KB



Additional Information

Disposal; Electrical and V 1.0.0 pdf
electronic equipment, 259.56 KB
Packaging



Bid Text

2789-9015 xml
24.08.2020 5.02 KB



2789-9015 docx
24.08.2020 24.19 KB



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Instruction Leaflet

WAGO Kommunikati- V 1.1.0 pdf
onsmodul Modbus RTU 03.12.2020 2992.36 KB



CAD/CAE-Data

CAE data

EPLAN Data Portal
2789-9015

