

Data sheet | Item number: 2789-9015

Communication module; Modbus RTU; RJ45; communication capability

www.wago.com/2789-9015



Item description

Features:

- Communication module snaps onto Pro 2 Power Supplies' 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 Marker Cards (WMB) and WAGO Marking Strips
- Requires RJ-45 terminating resistor (120 Ω) for long cables (2789-9915)

Data

Technical data

| | |
|------------------------------------|-----------------------|
| 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 |

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

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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



| | |
|---|---|
| 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 |
| 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 |

Connection data

| | |
|----------------------|-----------------------|
| Pluggable connectors | 2 x RJ-45 |
| Transmission medium | Shielded copper cable |

Physical data

| | |
|-------------------|------------------------|
| Width | 35 mm / 1.378 inch |
| Height | 80 mm / 3.15 inch |
| Depth | 22 mm / 0.866 inch |
| Note (dimensions) | Depth in mounted state |

Mechanical data

| | |
|---------------|--|
| Mounting type | Snaps onto a Pro 2 Power Supply's communication interface (X4) |
|---------------|--|

Material data

| | |
|--------|------|
| Weight | 35 g |
|--------|------|

Environmental requirements

| | |
|---|--|
| Surrounding air 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 |

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


EN 61204-3
 UL 61010-1
 UL 61010-2-201
 UL HazLoc

Commercial data


| | |
|-----------------------|---------------|
| PU (SPU) | 1 Stück |
| Country of origin | CN |
| GTIN | 4055144020281 |
| Customs tariff number | 85044082900 |

Approvals / Certificates

Ex-Approvals


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

UL-Approvals


| Logo | Approval | Additional Approval Text | Certificate name |
|--|---|--------------------------|------------------|
|  | UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS) | UL 61010-2-201 | E175199 |

Optional accessories

Tool

| Operating tool | | |
|--|---|--|
|  | Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured | www.wago.com/210-720 |

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 | | |

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



Item no.: 2009-115

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

Downloads

Documentation

Manual

| | | | |
|---|--------------------------|---------------|----------|
| Communication Module Modbus RTU; RJ45 Communication capability | V 1.0.1 2020. 11. 16. | pdf 2.1 MB | Download |
|---|--------------------------|---------------|----------|

Bid Text

| | | | |
|--------------------------|--------------|---------------|----------|
| 2789-9015 X81 - Datei | 2020. 8. 24. | xml 5.1 kB | Download |
|--------------------------|--------------|---------------|----------|

| | | | |
|---------------------------|--------------|-----------------|----------|
| 2789-9015 docx - Datei | 2020. 8. 24. | docx 17.5 kB | Download |
|---------------------------|--------------|-----------------|----------|

Instruction Leaflet

| | | | |
|-------------------------------------|-------------------------|---------------|----------|
| WAGO Kommunikationsmodul Modbus RTU | V 1.1.0 2020. 12. 3. | pdf 3.1 MB | Download |
|-------------------------------------|-------------------------|---------------|----------|

Additional Information

| | | | |
|--|---------|-----------------|----------|
| Disposal; Electrical and electronic equipment, Packaging | V 1.0.0 | pdf 265.8 kB | Download |
|--|---------|-----------------|----------|

CAD/CAE-Data

CAE data

| | | | |
|-----------------------------|--|-----|----------|
| EPLAN Data Portal 2789-9015 | | URL | Download |
|-----------------------------|--|-----|----------|

Environmental Product Compliance

Compliance Search

| | | | |
|--|--|-----|----------|
| Environmental Product Compliance 2789-9015 Communication module; Modbus RTU; RJ45; communication capability | | URL | Download |
|--|--|-----|----------|

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



Installation Notes

Product family

Pro 2

[Show all products from the family](#)

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