

Data Sheet | Item Number: 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 $U_{I\text{nom}}$ | DC 5 V (SELV) |
| Input voltage range | DC 4.5 ... 5.5 V(SELV) |

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

| | |
|---------------------|-----------------------|
| 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) |
|---------------|--|

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

| | |
|-----------------------|------------|
| ETIM 8.0 | EC002498 |
| ETIM 7.0 | EC002498 |
| PU (SPU) | 1 pcs |
| Country of origin | CN |
| Customs tariff number | 8517620000 |

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 |

Environmental Product Compliance

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