# Data Sheet | Item Number: 2789-9052
## Communication module; Modbus TCP; communication capability
https://www.wago.com/2789-9052

**Features:**

- WAGO's communication module snaps onto a Pro 2 Power Supply's communication interface.
- Modbus TCP/UDP
- Suitable for monitoring the subordinate power supply
- Function blocks for standard control systems available upon request
- Integrated ETHERNET switch for convenient wiring
- Marker slot for WAGO marking cards (WMB) and WAGO marking strips

## Technical data

### Input

| | |
|---|---|
| Nominal input voltage $U_{i\,nom}$ | 5 VDC (SELV) |
| Nominal input current at $U_N$ | 250 mA (max.) |

### Signaling and Communication

| | |
|---|---|
| Signaling | 1 x ERR LED (red) <br> 1 x COM OK LED (green) <br> 1 x LED LNK/ACTx (green) <br> 1 x LED SPEEDx (orange) |
| Communications | Modbus (TCP, UDP) |
| ETHERNET protocols | HTTP(S) <br> BootP <br> DHCP <br> SNTP |
| Configuration options | Web-Based Management |
| Visualization | Web-Visu |
| Transmission rate | 100 MBd (ETHERNET: 10/100 Mbit/s) |
| Transmission medium (communication/ fieldbus) | ETHERNET: Twisted pair S-UTP; 100 Ω; Cat. 5 |

## Safety and protection

| | |
|---|---|
| Test voltage (fieldbus) | 0.775 kVAC; 50 Hz; 1 min |
| Protection class | III |
| Insulation type | Functional insulation |
| Protection type | IP20; per EN 60529 |
| Overvoltage category | III |
| Pollution degree | 2 |

Version 18.02.2026

## Connection Data

| | | | | |
|---|---|---|---|---|
| Cable length (max.) | 100 m | | | |
| Transmission medium | ETHERNET: Twisted pair S-UTP; 100 Ω; Cat. 5 | | | |

### Connection 1

| | |
|---|---|
| Connection type | Modbus TCP/UDP |
| 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 |

## Material data

| | |
|---|---|
| Fire load | 0 MJ |
| Weight | 45 g |

## Environmental requirements

| | |
|---|---|
| Ambient temperature (operation) | -40 … +55 °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 |

## Commercial data

| | |
|---|---|
| PU (SPU) | 1 pcs |
| Packaging type | Box |
| Country of origin | DE |
| Customs tariff number | 85176200000 |

## Product Classification

| | |
|---|---|
| UNSPSC | 32151705 |
| ETIM 9.0 | EC002498 |
| ETIM 10.0 | EC002498 |
| ECCN | NO US CLASSIFICATION |

## Environmental Product Compliance

| | |
|---|---|
| CAS-No. | 1303-86-2<br>1317-36-8<br>7439-92-1 |
| REACH Candidate List Substance | Diboron trioxide<br>Lead<br>Lead monoxide |
| RoHS Compliance Status | Compliant,With Exemption |
| RoHS Exemption | 7(c)-I |
| SCIP notification number (Austria) | acbc0842-2ce0-4cb5-8937-58ec4dcf0201 |
| SCIP notification number (Belgium) | 323751ce-369b-4540-9255-6391886239f1 |
| SCIP notification number (Bulgaria) | 55cae6ed-f4d9-473c-81f5-d84e5f9d8cbe |
| SCIP notification number (Czech Republic) | ac32af1c-e59c-44f7-95b1-3069a891362b |
| SCIP notification number (Denmark) | 05d8d292-9bdc-4f63-8ed6-340a570c96f5 |
| SCIP notification number (Finland) | c23f4e18-e1f6-4b32-b790-f1329545fbd2 |
| SCIP notification number (France) | 8786d695-c1bb-48c0-8db9-ae73a81863dc |
| SCIP notification number (Germany) | 951e6b14-80f4-413e-be75-86b589d7ef70 |
| SCIP notification number (Hungary) | 6ac748de-366b-4fde-ae16-b4ec1a9dae6f |
| SCIP notification number (Italy) | 69f1b12f-a721-4305-96a8-be7453ae705d |
| SCIP notification number (Netherlands) | 9156a981-d436-406b-94e7-77018ef57636 |
| SCIP notification number (Poland) | 0b277272-cc14-414d-87c1-07780443d0f0 |
| SCIP notification number (Romania) | d016d543-b96c-4cf9-83f3-0342cff692fb |
| SCIP notification number (Sweden) | 6f81c7fa-cbd1-4438-abc6-d0a2a8c69ba8 |

## Approvals / Certificates

### General approvals

| Approval | Standard | Certificate Name |
|---|---|---|
| EAC<br>GZO Almaty Standart | TP TC 020/2011 | EAC CoC 03081 |
| UL<br>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

| Approval | Standard | Certificate Name |
|---|---|---|
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | - | - |

### Approvals for hazardous areas

| Approval | Standard | Certificate Name |
|---|---|---|
| UL<br>Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS) | UL 121201 | E198726 |

## Downloads

### Environmental Product Compliance

#### Compliance Search

Environmental Product
Compliance 2789-9052 ↓

## Documentation

#### Manual

| | | | |
|---|---|---|---|
| Product Manual Communication Module Modbus TCP; Communication capacity | V 1.2.0 19.07.2023 | pdf 14471.62 KB | ↓ |

#### Bid Text

| | | | |
|---|---|---|---|
| 2789-9052 | 11.05.2022 | docx 29.10 KB | ↓ |
| 2789-9052 | 11.05.2022 | xml 5.64 KB | ↓ |

#### Instruction Leaflet

| | | | |
|---|---|---|---|
| Communication Module; Modbus TCP | V 1.0.0 27.10.2021 | pdf 3239.74 KB | ↓ |

## CAD/CAE-Data

#### CAD data

2D/3D Models
2789-9052 ↓

#### CAE data

EPLAN Data Portal
2789-9052 ↓

## Runtime Software

#### Firmware

| | | | |
|---|---|---|---|
| 2789-9052; Pro 2 Kommunikationsmodul Modbus TCP | V 2.00.5 23.01.2024 | zip 402.11 KB | ↓ |

## 1 Compatible Products

### 1.1 Optional Accessories

### 1.1.1 Marking

### 1.1.1.1 Marker carrier

Item No.: 2789-1233
Marker carrier; for WMB or marking strips;
Length: 33 mm

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

Current addresses can be found at:: www.wago.com