# EM-MODBUS-GATEWAY-IFS - Data interface

2901528

https://www.phoenixcontact.com/us/products/2901528

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Gateway for the connection of up to 32 Interface system devices to a higher-level controller via Modbus/TCP. The Interface system devices are connected to the gateway via DIN rail connectors. The DIN rail connectors are provided.

## Commercial data

| | |
|---|---|
| Item number | 2901528 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | C477 |
| Product key | DK7713 |
| GTIN | 4046356607087 |
| Weight per piece (including packing) | 153.91 g |
| Weight per piece (excluding packing) | 129.85 g |
| Customs tariff number | 85176200 |
| Country of origin | DE |

# Technical data

## Notes

Utilization restriction

| | |
|---|---|
| EMC note | EMC: class A product, see manufacturer's declaration in the download area |

## Product properties

| | |
|---|---|
| Product type | Gateways/Proxies |
| Operating mode | 100% operating factor |

Insulation characteristics

| | |
|---|---|
| Overvoltage category | III |
| Pollution degree | 2 |

## Input data

Digital

| | |
|---|---|
| Number | 8 |
| Rated actuating voltage $U_C$ | 24 V DC ±20 % |
| Rated actuating current $I_C$ | 3 mA |
| Protective circuit | Reverse polarity protection |
| | Surge protection |

## Output data

Digital: Switching outputs

| | |
|---|---|
| Number | 4 |
| Residual voltage | 1 V |
| Maximum switching voltage | 23 V DC ($U_B$ - $U_{resid.}$ of the output) |
| Max. switching current | 500 mA |
| Protective circuit | Parallel protection against polarity reversal, pay attention to the fuse (Fusing with max. 8 A F-fuse) |

## Connection data

Supply

| | |
|---|---|
| Connection method | Push-in connection |
| Stripping length | 10 mm |
| Conductor cross-section rigid | 0.2 mm² ... 2.5 mm² |
| Conductor cross-section flexible | 0.2 mm² ... 2.5 mm² |
| Conductor cross-section AWG | 24 ... 12 |

Input

| | |
|---|---|
| Connection method | Push-in connection |
| Stripping length | 10 mm |

| | |
|---|---|
| Conductor cross-section rigid | 0.2 mm² ... 2.5 mm² |
| Conductor cross-section flexible | 0.2 mm² ... 2.5 mm² |
| Conductor cross-section AWG | 24 ... 12 |

Output

| | |
|---|---|
| Connection method | Push-in connection |
| Stripping length | 10 mm |
| Conductor cross-section rigid | 0.2 mm² ... 2.5 mm² |
| Conductor cross-section flexible | 0.2 mm² ... 2.5 mm² |
| Conductor cross-section AWG | 24 ... 12 |

Programming connection

| | |
|---|---|
| Connection method | S-PORT (socket) |
| Number of connections | 1 |
| Number of positions | 12 |

INTERFACE system

| | |
|---|---|
| Connection method | DIN rail bus connector |
| Number of connections | 1 |
| Number of positions | 5 |

Modbus/TCP

| | |
|---|---|
| Connection method | RJ45 |
| Number of connections | 1 |

## Interfaces

Data: Network interface

| | |
|---|---|
| Communication protocol | Modbus/TCP |
| Connection method | RJ45 jack |
| Number of connections | 1 |
| Transmission speed | 10 Mbps |
| | 100 Mbps |

Data: Service interface

| | |
|---|---|
| Communication protocol | Interface-System |
| Connection method | S-PORT (socket) |
| Number of connections | 1 |
| Number of positions | 12 |

Data: Device bus

| | |
|---|---|
| Communication protocol | Interface-System |
| Connection method | DIN rail bus connector |
| Number of connections | 1 |
| Number of positions | 5 |
| Transmission speed | 76.8 kbps |

## Dimensions

| | |
|---|---|
| Width | 22.5 mm |
| Height | 107.8 mm |
| Depth | 113.8 mm |

## Material specifications

| | |
|---|---|
| Color | gray (RAL 7042) |
| Housing material | Polyamide PA non-reinforced |

## Environmental and real-life conditions

### Ambient conditions

| | |
|---|---|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -35 °C ... 50 °C |
| Ambient temperature (storage/transport) | -35 °C ... 80 °C |

## Standards and regulations

| | |
|---|---|
| Standards/regulations | EN 61000-6-2 |
| | EN 61000-6-4 |

## Mounting

| | |
|---|---|
| Mounting type | DIN rail mounting |
| Assembly note | in rows with zero spacing |
| Mounting position | any |

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2901528

**UL Listed**
Approval ID: E140324

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## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27242608 |
| ECLASS-15.0 | 27242608 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC001604 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 32151600 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 7(a), 7(a)-I, 7(c)-I |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | 16f8603f-2260-43a2-bfb6-06bbe93786bd |

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