# PSI-DATA/BASIC-MODEM/RS232 - Modem

2313067

https://www.phoenixcontact.com/us/products/2313067

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Industrial analog modem for assembly on EN DIN rails. Worldwide access to industrial PCs, machines and systems. Serial RS-232 interface, 3-way electrical isolation, supply voltage 24 V DC.

## Your advantages

- Configurable, selective call acceptance
- High-quality electrical isolation
- Connection establishment with password protection
- Integrated surge protection to ensure high system availability
- Callback function

## Commercial data

| | |
|---|---|
| Item number | 2313067 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | DN24 |
| Product key | DNC411 |
| GTIN | 4046356098823 |
| Weight per piece (including packing) | 228.1 g |
| Weight per piece (excluding packing) | 117.8 g |
| Customs tariff number | 85176200 |
| Country of origin | DE |

# Technical data

## Notes

Utilization restriction

| | |
|---|---|
| CCCex note | Use in potentially explosive areas is not permitted in China. |

## Product properties

| | |
|---|---|
| Product type | Modem |
| MTTF | 628 Years (SN 29500 standard, temperature 25°C, operating cycle 21%) |
| | 290 Years (SN 29500 standard, temperature 40°C, operating cycle 34.25%) |
| | 115 Years (SN 29500 standard, temperature 40°C, operating cycle 100%) |

## Electrical properties

| | |
|---|---|
| Electrical isolation | VCC // PSTN // V.24 (RS-232) |
| Maximum power dissipation for nominal condition | 2.4 W |
| Mains type | Fixed-line network |
| Test voltage data interface/power supply | 1.5 $kV_{rms}$ (50 Hz, 1 min.) |
| Test voltage data interfaces | 1500 V |

Supply

| | |
|---|---|
| Supply voltage range | 10 V DC ... 30 V DC (via pluggable COMBICON screw terminal block) |
| Nominal supply voltage | 24 V DC ±5 % (as an alternative or redundant, via backplane bus contact and system current supply) |
| Typical current consumption | < 100 mA (24 V DC) |
| | < 40 mA |

## Connection data

Supply

| | |
|---|---|
| Tightening torque | 0.56 Nm ... 0.79 Nm |

## Interfaces

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|---|---|
| Signal | RS-232 |

Data: V.24 (RS-232) interface in acc. with ITU-T V.28, EIA/TIA-232, DIN 66259-1

| | |
|---|---|
| Serial transmission speed | 0.3; 1.2; 2.4; 4.8; 9.6; 19.2; 38.4; 57.6; 115.2 kbps |
| Connection method | D-SUB 9 plug |
| Transmission length | 15 m |
| File format/coding | Serial asynchronous UART/NRZ, 7/8 data, 1/2 stop, 1 parity, 10/11-bit character length |
| Data flow control/protocols | Software handshake, Xon/Xoff or hardware handshake RTS/CTS |

Data: PSTN-Port (a/b-Line)

| | |
|---|---|
| Connection method | RJ12, 6-pos. |
| Dialing procedure | Multiple frequency/pulse dialing, configuration via software |

## Dimensions

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|---|---|
| Width | 22.5 mm |
| Height | 99 mm |
| Depth | 114.5 mm |

## Material specifications

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|---|---|
| Material (Housing) | PA V0 |

## Environmental and real-life conditions

### Ambient conditions

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|---|---|
| Degree of protection | IP20 |
| Ambient temperature (operation) | 0 °C ... 55 °C |

## Approvals

### Corrosive gas test

| | |
|---|---|
| Identification | ISA-S71.04-1985 G3 Harsh Group A |

## EMC data

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|---|---|
| Electromagnetic compatibility | Conformance with EMC Directive 2014/30/EU |
| Noise immunity | EN 61000-6-2:2005 |

### Noise emission

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|---|---|
| Standards/regulations | EN 55032 |

## Mounting

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|---|---|
| Mounting type | DIN rail mounting |

## Classifications

### UNSPSC

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|---|---|
| UNSPSC 21.0 | 43222600 |

## Environmental product compliance

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.) | No substance above 0.1 wt% |

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