

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.
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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
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Interfaces

Signal	RS-232
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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)

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

Dimensions

Width	22.5 mm
Height	99 mm
Depth	114.5 mm

Material specifications

Material (Housing)	PA V0
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Environmental and real-life conditions

Ambient conditions

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

Approvals

Corrosive gas test

Identification	ISA-S71.04-1985 G3 Harsh Group A
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EMC data

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

Noise emission

Standards/regulations	EN 55032
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Mounting

Mounting type	DIN rail mounting
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Classifications

UNSPSC

UNSPSC 21.0	43222600
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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.
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EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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