

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

## Why buy this product

- Configurable, selective call acceptance
- High-quality electrical isolation
- Connection establishment with password protection
- Integrated surge protection
- Callback function



## Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 098823

## Technical data

### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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### Dimensions

Width	22.5 mm
Height	99 mm
Depth	114.5 mm

### Ambient conditions

Ambient temperature (operation)	0 °C ... 55 °C
Degree of protection	IP20
Noise immunity	EN 61000-6-2:2005

### General

Electrical isolation	VCC // PSTN // V.24 (RS-232)
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## Technical data

### General

Test voltage data interfaces	1500 V
Test voltage data interface/power supply	1.5 kV
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC (valid until 19.04.2016) / 2014/30/EU (valid from 20.04.2016)
Noise emission	EN 55022
Net weight	246.1 g
Housing material	PA V0
Color	green
MTTF	628 Years (SN 29500 standard, temperature 25°C, operating cycle 21 % (5 days a week, 8 hours a day))
	290 Years (SN 29500 standard, temperature 40 °C, operating cycle 34.25 % (5 days a week, 12 hours a day))
	115 Years (SN 29500 standard, temperature 40°C, operating cycle 100 % (7 days a week, 24 hours a day))

### Power supply

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

### Serial interface

Interface 1	V.24 (RS-232) interface in acc. with ITU-T V.28, EIA/TIA-232, DIN 66259-1
Interface	RS-232
Connection method	D-SUB-9 plug
File format/coding	Serial asynchronous UART/NRZ, 7/8 data, 1/2 stop, 1 parity, 10/11-bit character length
Transmission length	15 m
Data flow control/protocols	Software handshake, Xon/Xoff or hardware handshake RTS/CTS
Serial transmission speed	Automatic data rate detection 300, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 bits/s
Interface 2	PSTN-Port (a/b-Line)
Operating mode	Dial-up modem, 2-wire half/full duplex
Connection method	RJ12, 6-pos.
Dialing procedure	Multiple frequency/pulse dialing, configuration via software

### Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC (valid until 19.04.2016) / 2014/30/EU (valid from 20.04.2016)
Noise emission	EN 55022
Noise immunity	EN 61000-6-2:2005
Connection in acc. with standard	CUL

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## Classifications

### eCl@ss

eCl@ss 4.0	27250312
eCl@ss 4.1	27250312
eCl@ss 5.0	27242208
eCl@ss 5.1	27242208
eCl@ss 6.0	27242208
eCl@ss 7.0	27242208
eCl@ss 8.0	19060590
eCl@ss 9.0	19060590

### ETIM

ETIM 2.0	EC000310
ETIM 3.0	EC000310
ETIM 4.0	EC000310
ETIM 5.0	EC000740

### UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	43201553

## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / EAC / KC / cULus Recognized

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#### Ex Approvals

UL Recognized / cUL Recognized / cULus Recognized

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#### Approvals submitted


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### Approval details

UL Recognized
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### Approvals

cUL Recognized 

EAC

KC

cULus Recognized 

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