

PSI-MODEM/ETH - Modem



2313300

<https://www.phoenixcontact.com/us/products/2313300>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Industrial Ethernet modem for assembly on EN DIN rails. For dialed operation in Europe, USA and Canada. Ethernet interface, electric 3-way isolation, supply voltage 24 V DC

Your advantages

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

Commercial data

Item number	2313300
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DN24
Product key	DNC412
GTIN	4046356308083
Weight per piece (including packing)	336.8 g
Weight per piece (excluding packing)	290.4 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	Modem
--------------	-------

Insulation characteristics

Pollution degree	2
------------------	---

Electrical properties

Electrical isolation	VCC // PSTN // Ethernet
Maximum power dissipation for nominal condition	2.4 W
Mains type	Fixed-line network
Test voltage data interface/power supply	1.5 kV (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 \pm 5 % (as an alternative or redundant, via backplane bus contact and system current supply)
Typical current consumption	< 100 mA (24 V DC)
	< 70 mA (stand by)

Function

Management	Web-based management, SNMP or Factory Manager Software FL SWT
------------	--

Connection data

Supply

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

Interfaces

Signal	Ethernet
Web server	yes

Data: Ethernet interface, 10/100Base-T(X) in accordance with IEEE 802.3

Serial transmission speed	10/100 Mbps, auto negotiation
Connection method	RJ45 jack, shielded
No. of channels	1
Transmission length	100 m (shielded twisted pair)
Protocols supported	TCP/IP, UDP, TFTP, HTTP, Modbus/TCP, PPP, PROFINET,

PSI-MODEM/ETH - Modem



2313300

<https://www.phoenixcontact.com/us/products/2313300>

Auxiliary protocols	EtherNet/IP™, CHAP
Data flow control/protocols	ARP, DHCP, BOOTP, SNMP, RIP, RARP, HTTP, TFTP, ICMP
	TCP/IP, UDP, TFTP, HTTP, Modbus/TCP, PPP, PROFINET, EtherNet IP, CHAP

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

Serial transmission speed	300 Bd ... 56 kBd
Connection method	RJ12, 6-pos.
Dialing procedure	Multiple frequency/pulse dialing, configuration via software
Error correction	V.42 (LAP-M or MNP 2 to 4)
Data compression	V.42bis (throughput 4:1), MNP 5 (throughput 2:1)
Acoustic signaling	Integrated piezo (during the dialing process)

Dimensions

Width	45 mm
Height	99 mm
Depth	114.5 mm

Material specifications

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

Mechanical tests

Free fall in accordance with IEC 60068-2-32	: 1 m
Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	: 5g in each space direction
Shock in accordance with EN 60068-2-27/IEC 60068-2-27	: Operation: 15g, 11 ms period, half-sine shock pulse : Storage: 30g, 11 ms period, half-sine shock pulse

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C
Altitude	≤ 5000 m (For restrictions, see the manufacturer's declaration for altitude operation) ≤ 2000 m (in acc. with UL)

Approvals

CE

Certificate	CE-compliant
-------------	--------------

UL, USA/Canada

Identification	508 Listed Class I, Zone 2, AEx nA IIC T6 Class I, Zone 2, Ex nA IIC T6 Gc X
----------------	--

Corrosive gas test

PSI-MODEM/ETH - Modem



2313300

<https://www.phoenixcontact.com/us/products/2313300>

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

EMC data

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

Noise emission

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

Electrostatic discharge

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

Electrostatic discharge

Contact discharge	± 6 kV (Test Level 3)
Discharge in air	± 8 kV (Test Level 3)
Comments	Criterion B

Electromagnetic HF field

Standards/regulations	EN 61000-4-3
-----------------------	--------------

Electromagnetic HF field

Frequency range	Test Level 3
Field intensity	10 V/m
Comments	Criterion A

Fast transients (burst)

Standards/regulations	EN 61000-4-4
-----------------------	--------------

Fast transients (burst)

Input	± 2 kV (Test Level 3)
Signal	± 1 kV (Test Level 3)
Comments	Criterion B

Surge current load (surge)

Standards/regulations	EN 61000-4-5
-----------------------	--------------

Surge current load (surge)

Input	± 2 kV
Signal	± 1 kV
Comments	Criterion B

Conducted interference

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

Conducted interference

Comments	Criterion A
Voltage	10 V

Emitted interference

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

PSI-MODEM/ETH - Modem

2313300

<https://www.phoenixcontact.com/us/products/2313300>



Comments	Class A, industrial applications
----------	----------------------------------

Mounting

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

PSI-MODEM/ETH - Modem

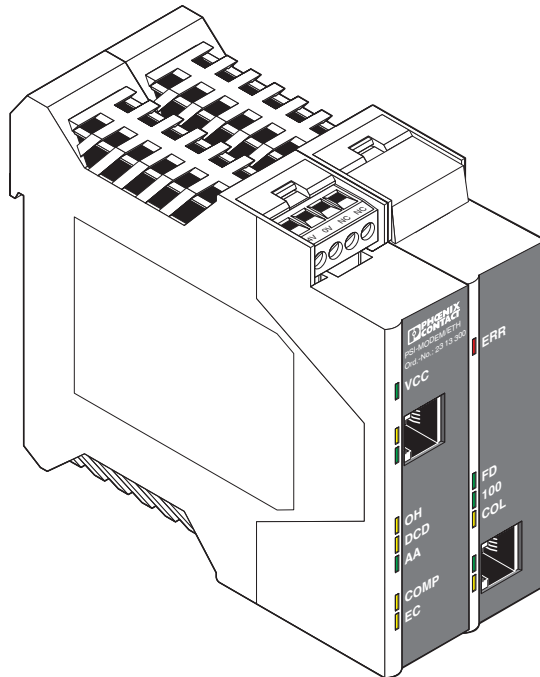
2313300

<https://www.phoenixcontact.com/us/products/2313300>

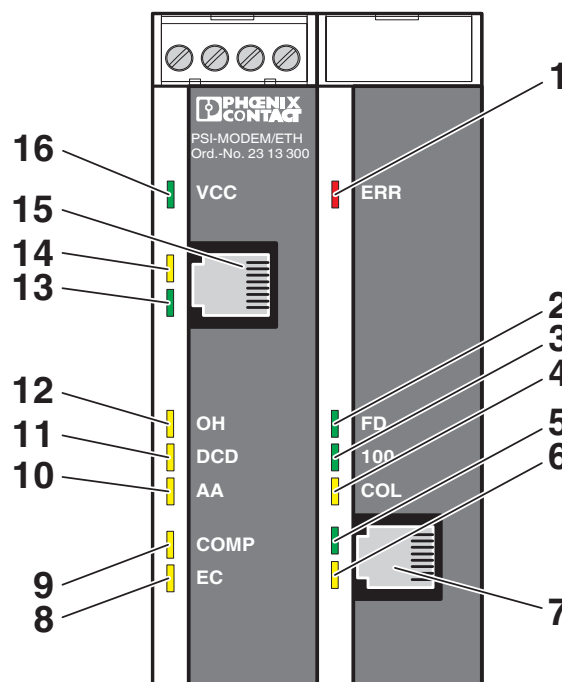


Drawings

Schematic diagram



Schematic diagram



Front view

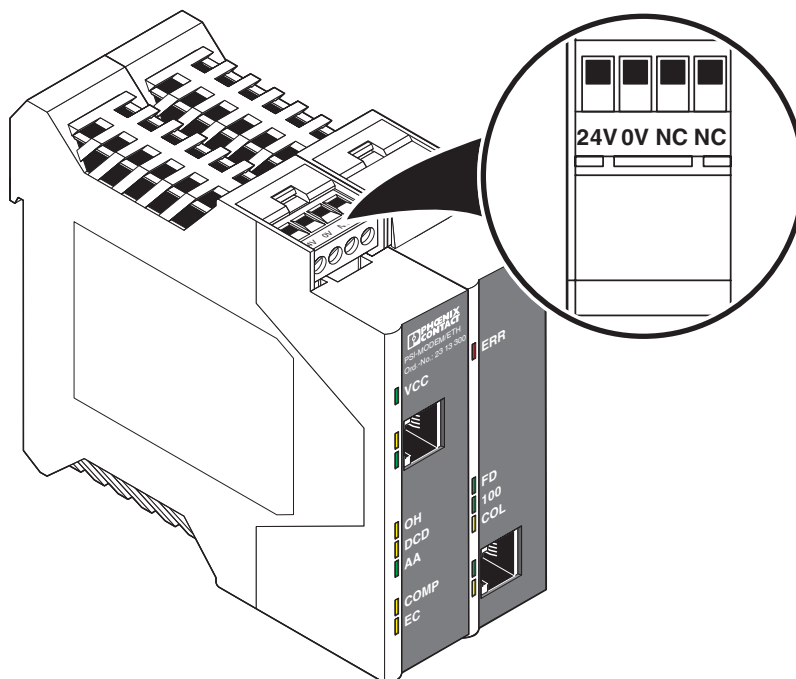
PSI-MODEM/ETH - Modem

2313300

<https://www.phoenixcontact.com/us/products/2313300>



Schematic diagram



Connecting the supply voltage

PSI-MODEM/ETH - Modem



2313300

<https://www.phoenixcontact.com/us/products/2313300>

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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com