

Modem - PSI-MODEM/ETH - 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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




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

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



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 308083
GTIN	4046356308083

Technical data

Note

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

Dimensions

Width	45 mm
Height	99 mm
Depth	114.5 mm

Ambient conditions

Ambient temperature (operation)	0 °C ... 55 °C
Altitude	5000 m (For restrictions see manufacturer's declaration)
	2000 m (With UL approval)
Degree of protection	IP20

Modem - PSI-MODEM/ETH - 2313300

Technical data

Ambient conditions

Noise immunity	EN 61000-6-2:2005
----------------	-------------------

General

Electrical isolation	VCC // PSTN // Ethernet
Test voltage data interfaces	1500 V
Test voltage data interface/power supply	1.5 kV (50 Hz, 1 min.)
Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Noise emission	EN 55032
Net weight	290.4 g
Housing material	PA V0
Color	green
Degree of pollution	2
Conformance	CE-compliant
UL, USA/Canada	UL 508 Listed
	Class I, Zone 2, AEx nA IIC T6
	Class I, Zone 2, Ex nA IIC T6 Gc X

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)
	< 70 mA (stand by)

Serial interface

Interface 1	Ethernet interface, 10/100Base-T(X) in acc. with IEEE 802.3u
Interface	Ethernet
No. of ports	1
Connection method	RJ45 socket, shielded
Transmission length	100 m (shielded twisted pair)
Protocols supported	TCP/IP, UDP, TFTP, HTTP, Modbus/TCP, PPP, PROFINET, EtherNet/IP™, CHAP
Auxiliary protocols	ARP, DHCP, BOOTP, SNMP, RIP, RARP, HTTP, TFTP, ICMP
Data flow control/protocols	TCP/IP, UDP, TFTP, HTTP, Modbus/TCP, PPP, PROFINET, EtherNet IP, CHAP
Serial transmission speed	10/100 Mbps, auto negotiation
Interface 2	PSTN-Port (a/b-Line)
Operating mode	Dial-up modem, 2-wire half/full duplex
Connection method	RJ12, 6-pos.
Serial transmission speed	300 Bd ... 56 kBd
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)

Modem - PSI-MODEM/ETH - 2313300

Technical data

Serial interface

Dialing procedure	Multiple frequency/pulse dialing, configuration via software
-------------------	--

Function

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

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Type of test	Free fall in acc. with IEC 60068-2-32
Test result	1 m
Type of test	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6
Test result	5g in each space direction
Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
Test result	Operation: 15g, 11 ms period, half-sine shock pulse
Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
Test result	Storage: 30g, 11 ms period, half-sine shock pulse
Noise emission	EN 55032
Noise immunity	EN 61000-6-2:2005
Standards/regulations	EN 61000-4-2
Contact discharge	± 6 kV (Test Level 3)
Standards/regulations	EN 61000-4-3
Frequency range	Test Level 3
Standards/regulations	EN 61000-4-4
Comments	Criterion B
Standards/regulations	EN 61000-4-5
Signal	± 1 kV
Standards/regulations	EN 55032
	EN 61000-4-6
Conformance	CE-compliant
UL, USA/Canada	UL 508 Listed
	Class I, Zone 2, AEx nA IIC T6
	Class I, Zone 2, Ex nA IIC T6 Gc X
Noxious gas test	ISA-S71.04-1985 G3 Harsh Group A

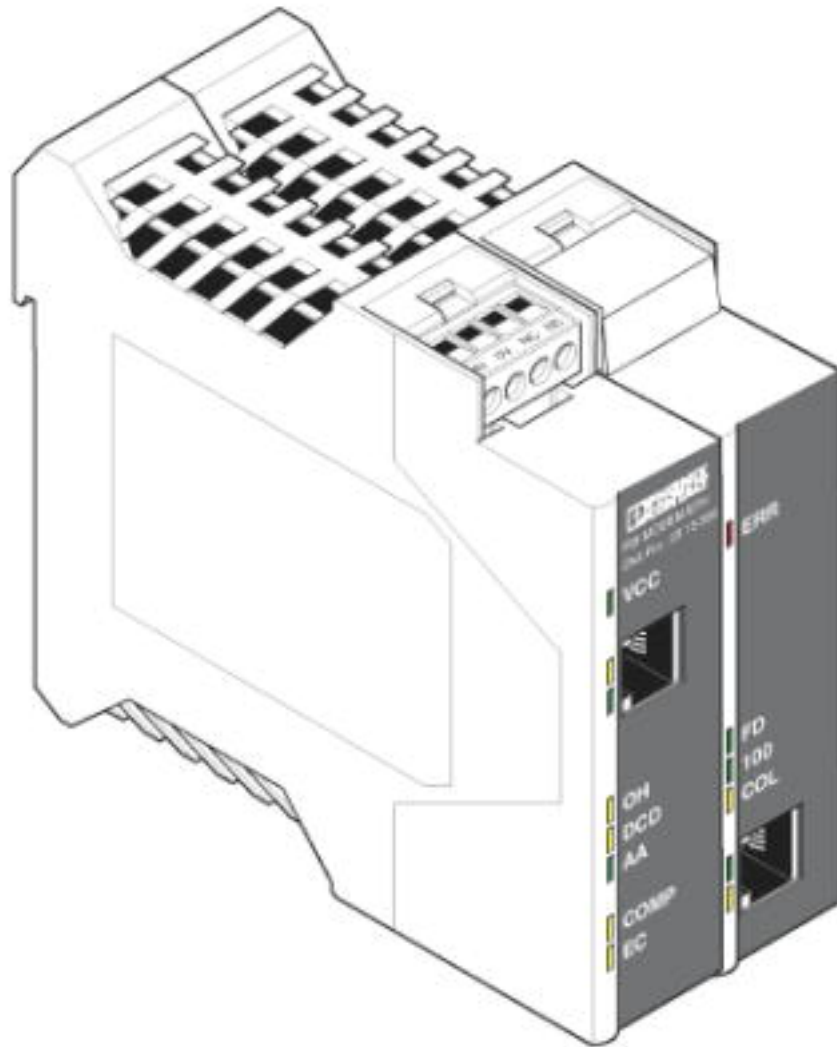
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

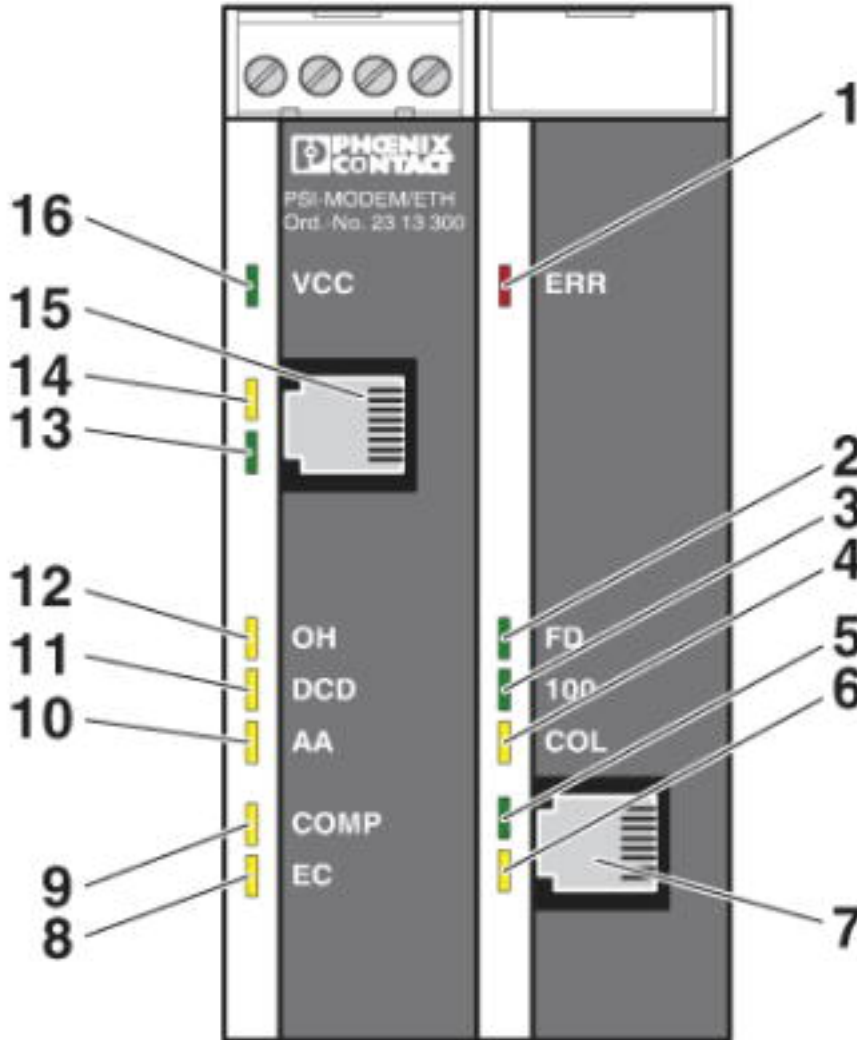
Modem - PSI-MODEM/ETH - 2313300

Schematic diagram



Modem - PSI-MODEM/ETH - 2313300

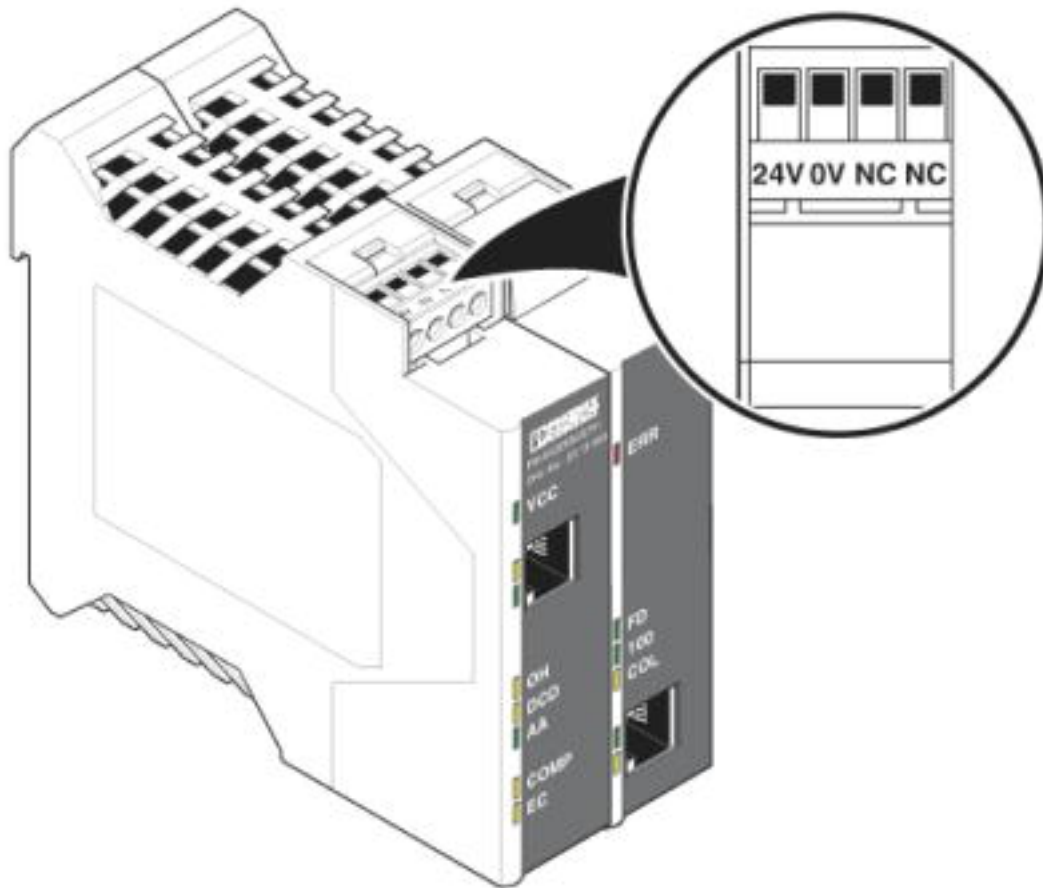
Schematic diagram



Front view

Modem - PSI-MODEM/ETH - 2313300

Schematic diagram



Connecting the supply voltage

Phoenix Contact 2019 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>