

Router - PSI-MODEM-GSM/ETH - 2313355

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Industrial GSM router with GPRS/EDGE for mounting on EN DIN rail. GSM and GPRS/EDGE. 850 + 900 + 1800 + 1900 MHz. Ethernet interface. Firewall and VPN support. 6 alarm inputs and 4 switching outputs. 24 V DC supply voltage.

Your advantages

- ✓ Configuration via web-based management
- ✓ Up to three VPN tunnels simultaneously
- ✓ Can be used worldwide
- ✓ Starting of VPN via call
- ✓ High electromagnetic compatibility
- ✓ Starting of VPN via SMS
- ✓ Authentication with X.509 certificates
- ✓ Firewall
- ✓ Encryption of SIM card PINs
- ✓ Autocrossing
- ✓ 10/100 Mbps automatic detection
- ✓ IPsec and OpenVPN support
- ✓ NAT table
- ✓ 6 digital switching inputs: for sending freely configurable text messages (SMS, FAX, e-mail) and starting user-defined functions
- ✓ Four switching outputs: can be activated via SMS and Ethernet and for GSM and connection diagnostics



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 438827
GTIN	4046356438827
Weight per Piece (excluding packing)	286.100 g
Custom tariff number	85176200

Router - PSI-MODEM-GSM/ETH - 2313355

Country of origin	Germany
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Technical data

Note

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

Width	35 mm
Height	99 mm
Depth	114.5 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 75 °C
Permissible humidity (operation)	30 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	30 % ... 95 % (non-condensing)
Altitude	≤ 5000 m (For restrictions, see the manufacturer's declaration for altitude operation)
Degree of protection	IP20
Noise immunity	EN 61000-6-2:2005

General

Electrical isolation	VCC // GSM // Ethernet // PE
Test voltage data interface/data interface	500 V (50 Hz, 1 min.)
Test voltage data interface/power supply	500 V (50 Hz, 1 min.)
Electromagnetic compatibility	Conformance with R&TTE directive 1999/5/EC
Net weight	291 g
Housing material	PA 6.6-FR
Color	green

Power supply

Nominal supply voltage	24 V DC ±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	< 360 mA (24 V DC)
	< 90 mA (stand by)

Interfaces

Interface 1	Ethernet interface, 10/100Base-T(X) in accordance with IEEE 802.3
Interface	Ethernet
Connection method	RJ45 jack, shielded
Transmission length	100 m (shielded twisted pair)

Router - PSI-MODEM-GSM/ETH - 2313355

Technical data

Interfaces

Protocols supported	TCP/IP, UDP/IP, FTP, HTTP
Auxiliary protocols	ARP, DHCP, PING (ICMP), SNMP V1, SMTP
Serial transmission speed	10/100 Mbps, auto negotiation

Wireless interface

Interface description	GSM / GPRS / EDGE
Frequency	850 MHz (2 W (EGSM))
	900 MHz (2 W (EGSM))
	1800 MHz (1 W (EGSM))
	1900 MHz (1 W (EGSM))
Data rate	≤ 210 kbps (EDGE)
Antenna	50 Ω impedance SMA antenna socket
SIM interface 1	1.8 volt, 3 volt
GPRS	Class 12, Class B
	CS1 ... CS4
EDGE	Multislot Class 10
Network function	4 time slots for receiving data, 4 time slots for transmitting data. The PIN is saved in the modem. After a voltage interruption, there is automatic redialing into the network. Integrated TCP/IP stack, firewall and VPN support, independent connection establishment.
Network check	LED to show data signal quality

Function

Web-based management	yes
Management	Web-based management, SNMP
Security functions	Supported 3DES, AES-128, -192, -256 ESP tunnel X.509v3, PSK MD5, SHA-1 RFC 3706 IP, port, protocol

Digital outputs

Output name	Digital output
Number of outputs	4
Voltage output signal	10 V DC ... 30 V DC (depending on the operating voltage)
Current output signal	≤ 50 mA (Short-circuit-proof)

Digital inputs

Description of the input	Digital input
Number of inputs	6
Voltage input signal	10 V DC ... 30 V DC

Standards and Regulations

Electromagnetic compatibility	Conformance with R&TTE directive 1999/5/EC
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Router - PSI-MODEM-GSM/ETH - 2313355

Technical data

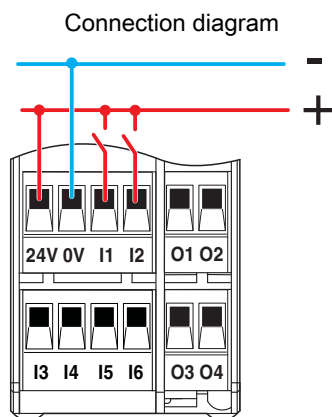
Standards and Regulations

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, 150 Hz, 1.5 h, in XYZ 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 immunity	EN 61000-6-2:2005
Standards/regulations	EN 61000-4-2
Contact discharge	± 6 kV
Standards/regulations	EN 61000-4-3
Frequency range	80 MHz ... 3 GHz
Standards/regulations	EN 61000-4-4
Comments	Criterion A
Standards/regulations	EN 61000-4-5
	EN 61000-4-6
Frequency range	0.15 MHz ... 80 MHz

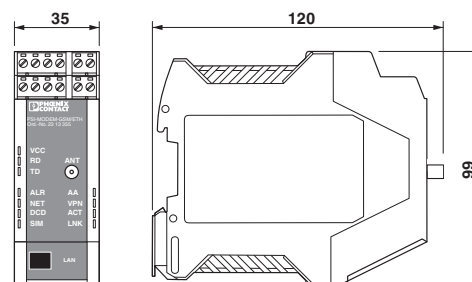
Environmental Product Compliance

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

Drawings



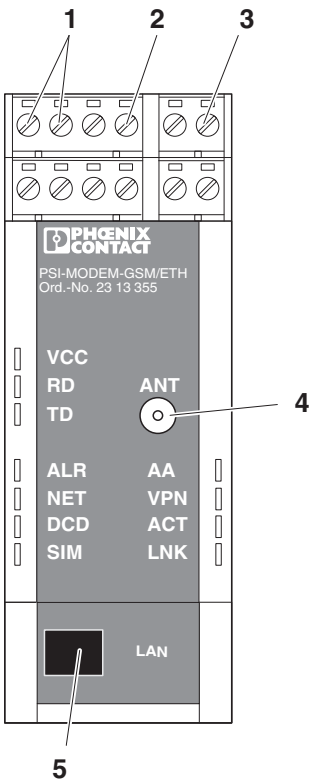
Dimensional drawing



Switching inputs

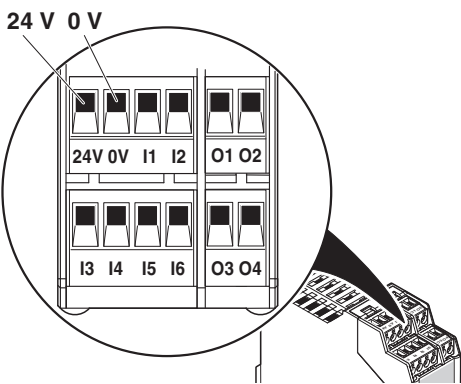
Router - PSI-MODEM-GSM/ETH - 2313355

Schematic diagram



Front view

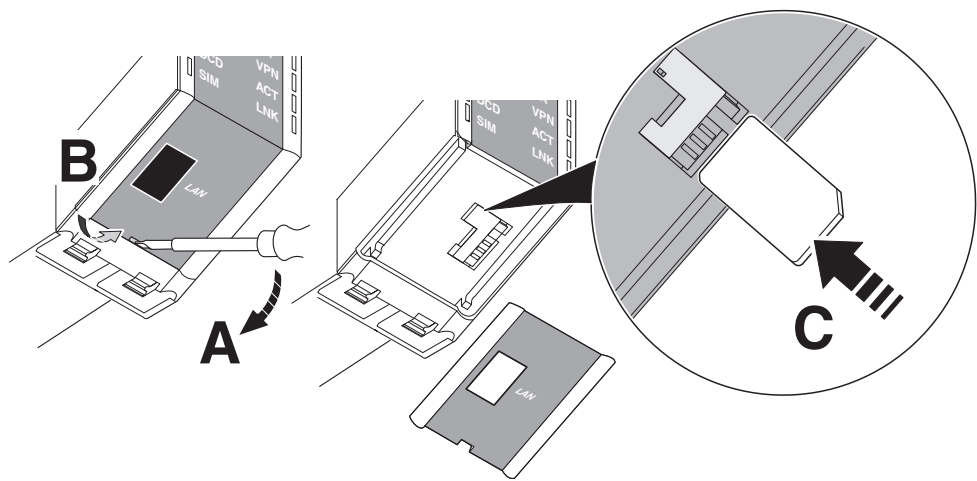
Schematic diagram



Device connections

Router - PSI-MODEM-GSM/ETH - 2313355

Schematic diagram



Insert the SIM card

Classifications

eCl@ss

eCl@ss 4.0	27230207
eCl@ss 4.1	27230207
eCl@ss 5.0	27230207
eCl@ss 5.1	19030100
eCl@ss 6.0	19060500
eCl@ss 7.0	19060590
eCl@ss 8.0	19060590
eCl@ss 9.0	19060590

ETIM

ETIM 2.0	EC000310
ETIM 3.0	EC000310
ETIM 4.0	EC000740
ETIM 5.0	EC000740
ETIM 6.0	EC000740

UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008

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Classifications

UNSPSC

UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	43222628
UNSPSC 19.0	43222628

Accessories

Accessories

Antenna

Antenna - PSI-GSM/UMTS-QB-ANT - 2313371



GSM UMTS antenna, with omnidirectional characteristic, 2 m antenna cable with SMA round connector

Antenna - TC ANT MOBILE WALL 5M - 2702273



Multiband cellular antenna with mounting bracket for outdoor installation, 5 m antenna cable with SMA circular connector, suitable for LTE/4G

Coaxial cable

Antenna cable - PSI-CAB-GSM/UMTS- 5M - 2900980



Cellular antenna cable, 5 m in length, SMA (male) -> SMA (female), 50 ohm impedance

Router - PSI-MODEM-GSM/ETH - 2313355

Accessories

Antenna cable - PSI-CAB-GSM/UMTS-10M - 2900981



Cellular antenna cable, 10 m in length, SMA (male) -> SMA (female), 50 ohm impedance

DIN rail connector

DIN rail bus connectors - ME 17,5 TBUS 1,5/ 5-ST-3,81 GN - 2709561



DIN rail connector for DIN rail mounting. Universal for TBUS housing. Gold-plated contacts, 5-pos.

Power supply

Power supply unit - MINI-SYS-PS-100-240AC/24DC/1.5 - 2866983



Primary-switched MINI POWER supply for DIN rail mounting, input: 1-phase, output: 24 V DC/1.5 A

Surge protection for transceiver systems

Surge protection device - CSMA-LAMBDA/4-2.0-BS-SET - 2800491



Attachment plug with Lambda/4 technology as surge protection for coaxial signal interfaces. Connection: Male/female SMA connectors.