


# PSI-MODEM-GSM/ETH

Order No.: 2313355



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Industrial GSM modem 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. Supply voltage 24 V DC.

Commercial data	
GTIN (EAN)	4  046356 438827
sales group	H661
Pack	1 pcs.
Customs tariff	85176200
Catalog page information	Page 543 (IF-2009)

### Product notes

WEEE/RoHS-compliant since:  
08/04/2008



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### Technical data

#### Serial interface

Interface 1	Ethernet interface, 10/100BASE-T(X) in acc. with IEEE 802.3u
Transmission length	100 m (shielded twisted pair)
Connection method	RJ45 female connector, shielded
Serial transmission speed	10/100 Mbps, autonegotiation

**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	< 360 mA (24 V DC)
	< 90 mA

**General data**

Width	35 mm
Height	99 mm
Depth	114.5 mm
Ambient temperature (storage/transport)	-40 °C ... 75 °C
Ambient temperature (operation)	-25 °C ... 60 °C
Electrical isolation	(VCC // GSM // Ethernet // PE)
Test voltage data interfaces	1.5 kV
Test voltage data interface/data interface	1.5 kV (50 Hz, 1 min.)
Test voltage data interface/power supply	1.5 kV
	1.5 kV (50 Hz, 1 min.)
Electromagnetic compatibility	Conformance with R&TTE directive 1999/5/EC
Noise immunity	EN 61000-6-2:2005
Degree of protection	IP20
Net weight	300 g
Housing material	PA 6.6-FR
Color	green
UL, USA / Canada	cULus listed UL 508

**Radio 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))
Antenna	50 $\Omega$ 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

**Certificates / Approvals**



Certification CUL Listed, UL Listed

**Accessories**

Item	Designation	Description
<b>Antennas</b>		
2900982	PSI-GSM/UMTS-ANT-OMNI-2-5	GSM/UMTS omnidirectional antenna, 2 dBi gain, 5 m antenna cable with SMA circular connector
2313371	PSI-GSM/UMTS-QB-ANT	GSM UMTS antenna, with omnidirectional characteristic, 2 m antenna cable with SMA round connector
<b>Cable/conductor</b>		
2900980	PSI-CAB-GSM/UMTS- 5M	GSM/UMTS antenna cable, 5 m long; SMA (male) -> SMA (female), 50 Ohm impedance
2900981	PSI-CAB-GSM/UMTS-10M	GSM/UMTS antenna cable, 10 m long; SMA (male) -> SMA (female), 50 Ohm impedance
<b>General</b>		
2800491	CSMA-LAMBDA/4-2.0-BS-SET	Attachment plug with Lambda/4 technology as surge protection for coaxial signal interfaces. Connection: Male/female SMA connectors.
2709561	ME 17,5 TBUS 1,5/ 5-ST-3,81 GN	DIN rail connector for DIN rail power supply unit, gold-plated contacts, for DIN rail mounting, 5-pos.
2866983	MINI-SYS-PS-100-240AC/24DC/1.5	DIN rail power supply unit, primary-switched mode, slim design, output: 24 V DC / 1.5 A

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