

# PSI-GPRS/GSM-MODEM/RS232-QB

Order No.: 2313106



<http://eshop.phoenixcontact.co.uk/phoenix/treeViewClick.do?UID=2313106>

Industrial GPRS/GSM modem for mounting on EN DIN rails. GSM and GPRS. 850 + 900 + 1800 + 1900 MHz. Serial V.24 (RS-232) interface. TCP/IP stack. Alarm input and output. 24 V DC supply voltage.



Commercial data	
EAN	4046356166034
Pack	1
Customs tariff	85175090
Weight/Piece	160.00 g
Country of Origin	DE
Catalog page information	Page 542 (IF-2009)

### Product notes

WEEE/RoHS-compliant since:  
22/05/2007



Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

## Technical data

Serial interface	
Interface 1	RS-232 interface in acc. with ITU-T V.28, EIA/TIA-232, DIN 66259-1
File format/coding	Serial asynchronous UART/NRZ, 7/8 Data, 1/2 Stop, 1 Parity, 10/11 bits character length
Transmission length	15 m

Type of connection	D-SUB-9 male connector
Data flow control/protocols	Software handshake, Xon/Xoff or hardware handshake RTS/CTS
Serial transmission speed	Automatic data rate detection (default) or fixed setting to 300, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 bps, can be set via software

#### Radio interface

Interface description	GSM / GPRS
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	1.8 volt and 3 volt SIM card
GPRS compatibility	GPRS class 10, class B / coding scheme: CS1 to CS4
Network function	4 time slots for receiving data, 2 time slot 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, independent connection establishment.
Network check	LED to show data signal quality

#### Power supply

Nominal supply voltage	24 V DC $\pm$ 5% (as an alternative or redundant, via backplane bus contact and system current supply)
Range of supply voltages	10 V DC ... 30 V DC (via pluggable COMBICON screw terminal block)
Typical current consumption	< 350 mA (24 V DC)
	< 80 mA

#### General data

Width	22.5 mm
Height	118.6 mm
Depth	99 mm
Ambient temperature (operation)	-25 $^{\circ}$ C ... 60 $^{\circ}$ C
Electrical isolation	Supply // RS-232 // Antenna
Test voltage data interfaces	1500 V
Electromagnetic compatibility	Conformance with R&TTE directive 1999/5/EEC
Emitted interference	EN 55022
Immunity to interference	EN 61000-6-2:2005

Degree of protection	IP20
Housing material	PA V0, color green
Color	green

### Certificates



Certification CUL, UL

### Accessories

Item	Designation	Description
<b>Antennas</b>		
2313135	PSI-GSM-QB-ANT	GSM Quadband antenna, with omnidirectional characteristic, 2 m antenna cable with SMA round connector
2313342	PSI-GSM-STUB-ANT	GSM stub antenna for direct installation on the device, angled antenna connector (90°, SMA round connector)
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>		
2881078	CM-KBL-RS232/USB	Connecting cable D-9-SUB to USB, with adapter D-9-SUB to D-25-SUB.
2311425	PSI-CA-MODEM-SPLITTER	Short RS-232 flat-ribbon connecting cable between the modem and the PSI-MODEM-SPLITTER.
2900981	PSI-CAB-GSM/UMTS-10M	GSM/UMTS antenna cable, 10 m long; SMA (male) -> SMA (female), 50 Ohm impedance
2708520	PSM-KA9SUB9/BB/0,5METER	RS-232 cable, 9-pos. SUB-D female connector on 9-pos. SUB-D female connector, 9-wire, 1:1
2799474	PSM-KA9SUB9/BB/2METER	RS-232 cable, 9-pos. SUB-D female connector on 9-pos. SUB-D female connector, 9-wire, 1:1
2319200	PSM-KAD-IL RS232/9SUB/B/0,8M	Adapter cable to connect the IB IL RS232 and IB IL RS232-PRO Inline communication terminals to the interface converter, e.g. modem, Com server, Bluetooth or fiber optics.
<b>General</b>		
2707437	ME 22,5 TBUS 1,5/ 5-ST-3,81 GN	DIN rail connector for current transducers, gold-plated contacts, for DIN rail mounting, 5-pos.

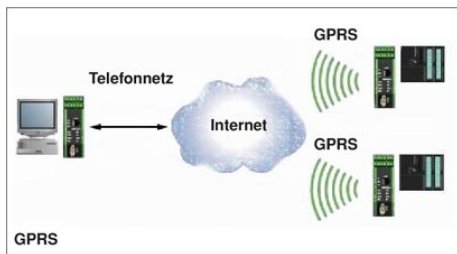
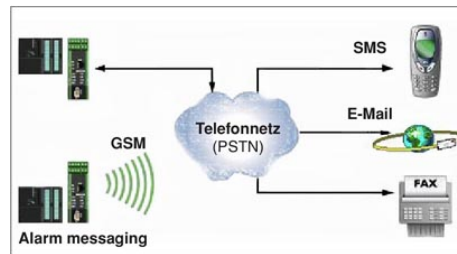
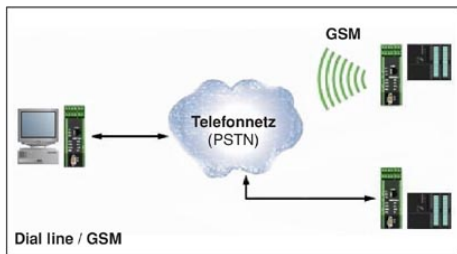
2866983	MINI-SYS-PS-100-240AC/24DC/1.5	DIN rail power supply unit, primary-switched mode, slim design, output: 24 V DC / 1.5 A
2708766	PSI-MODEM-SPLITTER	Switching module for accessing two control systems via one modem. The serial connection is switched over via the switching output of the modem or via the switch on the front side of the splitter.
2708753	PSM-AD-D9-NULLMODEM	RS-232 null modem connector

**Plug/Adapter**

2313148	PSI-MPI/RS232-PC	MPI adapter for coupling to the programming interface of a SIMATIC® S7-300 / 400 control
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**Drawings**

Application drawing



**Address**

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