

PSI-WL-RS232-RS485/BT

Order No.: 2708517



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Bluetooth converter for the wireless transmission of RS-232, RS-422 and RS-485 interfaces. Mounting on EN mounting rail. MCX connection for external antenna. Supply 24 V AC/DC.



Commercial data	
EAN	4017918974169
Pack	1 Pcs.
Customs tariff	85175090
Weight/Piece	212.30 g
Catalog page information	Page 467 (IF-2007)

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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	Max. 15 m
Type of connection	D-SUB-9 pin strip
Data flow control/protocols	Software handshake, Xon/Xoff, or hardware handshake RTS/CTS, 3964 compatible

Serial transmission rate	300, 1200, 2400, 4800, 7200, 9600, 19200, 31250, 38400, 57600, 75000, 93750, 115200, 136000, 187500 bps
Interface 2	RS-422 interface in acc. with ITU-T V.11, EIA/TIA-422, DIN 66348-1
Termination resistor	390 Ω - 150 Ω - 390 Ω (can be connected)
Transmission length	Max. 1200 m
Type of connection	Pluggable COMBICON screw terminal block
Interface 3	RS-485 interface, in acc. with EIA/TIA-485, DIN 66259-4/RS-485 2-wire
Type of connection	COMBICON screw terminal block
Transmission length	Max. 1200 m
Termination resistor	390 Ω - 150 Ω - 390 Ω (can be connected)

Radio interface

Interface description	Specification 2.0, class 1
Note	Currently spec. 1.1, from April 2007 available with spec. 2.0
Frequency range	2.402 GHz ... 2.48 GHz (ISM bandwidth)
Transmission method	Frequency hopping 1.6 kHz (FHSS)
Transmit capacity, minimum	-28 dBm (adjustable)
Transmit capacity, maximum	20 dBm (adjustable)
Minimum receiver sensitivity	-83.00 dBm
Antenna	External
Type of connection	MCX
Range	20 dBm (100 mW) = 80 m to 150 m
Bluetooth Multidrop master/slave	1/7

Power supply

Nominal supply voltage	24 V AC ±20 % (via pluggable COMBICON screw terminal block) 24 V DC ±20 % (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) 19 V AC ... 29 V AC (via pluggable COMBICON screw terminal block)
Typical current consumption	40 mA (for 24 V DC)

General data

Length	99 mm
Height	114.5 mm

Width	22.5 mm
Ambient temperature (operation)	-20 °C ... 60 °C
Electrical isolation	Supply // RS-232 // functional earth ground
Test voltage data interfaces	1.5 kV AC
Electromagnetic compatibility	Conformance with R&TTE directive 1999/5/EEC
Emitted interference	EN 55011
Immunity to interference	EN 61000-6-2
Degree of protection	IP20
Housing material	PA 6.6-FR
Color	green

Certificates



Certification	CUL, UL
Certification Ex:	CUL-EX LIS, UL-EX LIS

Accessories

Item	Designation	Description
Antennas		
2867461	RAD-ISM-2400-ANT-OMNI-2-1	Omni-directional antenna, IP65 degree of protection, linear vertical, 2 dBi gain, cable length 1.5 m, MCX (male) connection, impedance 50 Ω, apex angle h/v 360°/75°
2867610	RAD-ISM-2400-ANT-PAN-8-0	Panel antenna, degree of protection IP55, 8 dBi gain, linear vertical, SMA (female), impedance 50 ohms, apex angle h/v 75°/70°

Cable/conductor

2761059	PSM-KA 9 SUB 25/BB/2METER	RS-232 cable, 9-pos. SUB-D female connector 25-pos on D-SUB female connector
2799474	PSM-KA9SUB9/BB/2METER	RS-232 cable, 9-pos. SUB-D female connector 9-pos on D-SUB female connector

General

2707437	ME 22,5 TBUS 1,5/ 5-ST-3,81 GN	Bus connector, gold-plated contacts, for mounting on DIN rail, 5-pos.
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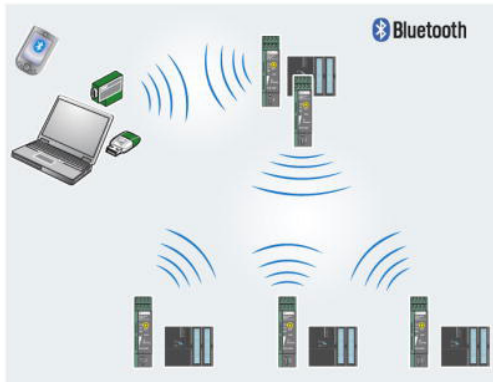
2866983	MINI-SYS- PS-100-240AC/24DC/1.5	Power supply unit, primary switched, slim design, output: 24 V DC / 1.5 A
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Plug/Adapter

2867678	RAD-PIG-EF316-MCX-SMA	Adapter cable, pigtail 100 cm MCX (male) -> SMA (male), insertion attenuation 1.5 dB at 2.4 GHz; impedance 50 ohms;
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Drawings

Functional drawing



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