

Bluetooth converter - PSI-WL-PROFIB/BT-SET - 2313313

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Bluetooth PROFIBUS SET, pre-configured: PROFIBUS point-to-point, PROFIBUS baud rate: 187.5 kbps, contents: 2 x Bluetooth converter + 2 x antenna



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	476.900 g
Custom tariff number	85176200
Country of origin	Germany

Technical data

Dimensions

Width	22.5 mm
Height	99 mm
Depth	116 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Degree of protection	IP20
Noise immunity	EN 61000-6-2:2005

Interfaces

Interface 1	RS-485 interface, in acc. with EIA/TIA-485, DIN 66259-4/RS-485 2-wire
Interface	RS-485 2-wire
Connection method	COMBICON screw terminal block
File format/coding	8 data, 1 stop, 1 parity, 11 bit character length
Transmission length	max. 1200 m
Termination resistor	390 Ω - 150 Ω - 390 Ω (can be connected)

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Technical data

Interfaces

Serial transmission speed	187500 bps
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Wireless interface

Interface description	Bluetooth 2.0
Frequency range	2.402 GHz ... 2.48 GHz (ISM bandwidth)
Transmission method	1.6 kHz (FHSS)
Transmit capacity, minimum	20 dBm
Minimum receiver sensitivity	-83 dBm
Antenna	External
Connection method	MCX
Range	20 dBm (100 mW) = 80 m ... 150 m

Power supply

Nominal supply voltage	24 V AC $\pm$ 20 % (via pluggable COMBICON screw terminal block)
	24 V DC $\pm$ 20 % (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)
	19 V AC ... 29 V AC (via pluggable COMBICON screw terminal block)
Typical current consumption	$\leq$ 100 mA (24 V DC)

General

Electrical isolation	VCC // Bluetooth, RS-232, RS-422, RS-485, USB
Test voltage data interfaces	1.5 kV AC
Electromagnetic compatibility	Conformance with R&TTE directive 1999/5/EC
Noise emission	EN 55011
Net weight	476.9 g
Housing material	PA 6.6-FR
Color	green

Standards and Regulations

Electromagnetic compatibility	Conformance with R&TTE directive 1999/5/EC
Noise emission	EN 55011
Noise immunity	EN 61000-6-2:2005

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Articles in set

Bluetooth converter - PSI-WL-RS232-RS485/BT - 2708517



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

Antenna - RAD-ISM-2400-ANT-OMNI-2-1 - 2867461



Omnidirectional antenna, 2.4 GHz, gain: 2 dBi, polarization: linear, opening angle: h/v 360°/75°, degree of protection: IP65, connection: MCX (male), incl. 1.5 m / 5 ft. connecting cable and mounting bracket for wall mounting

Classifications

eCl@ss

eCl@ss 4.0	27230207
eCl@ss 4.1	27230207
eCl@ss 5.0	27230207
eCl@ss 5.1	27242208
eCl@ss 6.0	27230207
eCl@ss 8.0	19179290
eCl@ss 9.0	19179290

ETIM

ETIM 2.0	EC000739
ETIM 3.0	EC000310
ETIM 4.0	EC000310
ETIM 5.0	EC000310

UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	39121008

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Accessories

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DIN rail connector

DIN rail bus connectors - ME 22,5 TBUS 1,5/ 5-ST-3,81 GN - 2707437



DIN rail connector, number of positions: 5, pitch: 3.81 mm, pin layout: Linear pinning, Articles with gold-plated contacts, bus connectors for connecting with electronic housings

Interface converter

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

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

Trusted Wireless device

Wireless module - RAD-ISM-900-SET-UD-ANT-AU - 2867416



Unidirectional, wireless, 900 MHz transmission system (Australia), made up of a transmitter (Tx) and a receiver (Rx) and two antennas with connecting cable