

PSI-WL-PROFIB/BT-SET

Order No.: 2313313



PSI-Line-Bluetooth-PROFIBUS-SET pre-configured for a point-to-point Profibus connection, with a transmission speed of 93.75 kbps. Scope of supply: 2x Bluetooth converter + 2x omnidirectional antenna. DIN-rail mountable. Supply 24 V AC/DC

Commercial data

EAN	4046356327213
Pack	1 pcs.
Customs tariff	85176200
Weight/Piece	0.4769 KG
Catalog page information	Page 547 (IF-2009)

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Technical data

Serial interface

Interface 1	RS-485 interface, in acc. with EIA/TIA-485, DIN 66259-4/RS-485 2-wire
File format/coding	8 data, 1 stop, 1 parity, 11 bit character length
Termination resistor	390 Ω - 150 Ω - 390 Ω (can be connected)
Transmission length	max. 1200 m
Type of connection	COMBICON screw terminal block
Serial transmission rate	187500 bps

Radio interface

Interface description	Specification 2.0, class 1
Frequency range	2.402 GHz ... 2.48 GHz (ISM bandwidth)
Transmission method	Frequency hopping 1.6 kHz (FHSS)
Transmit capacity, minimum	20 dBm
Minimum receiver sensitivity	-83.00 dBm
Antenna	External
Type of connection	MCX
Range	20 dBm (100 mW) = 80 m to 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)
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

Width	22.5 mm
Height	114.5 mm
Depth	99 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 61000-6-2:2005
Degree of protection	IP20
Housing material	PA 6.6-FR
Color	green

Article Sets

Item	Designation	Description
Allgemein		
2708517	PSI-WL-RS232-RS485/BT	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.
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°

Address

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 00
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>



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