

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



2708517

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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.

## Commercial data

Item number	2708517
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DNC661
GTIN	4017918974169
Weight per piece (including packing)	206.3 g
Weight per piece (excluding packing)	212.3 g
Customs tariff number	85176200
Country of origin	SE

## Technical data

### Product properties

Product type	Interface converter
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### Electrical properties

Electrical isolation	VCC // Bluetooth, RS-232, RS-422, RS-485, USB
Test voltage data interfaces	1.5 kV AC

### 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)
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)
Typical current consumption	$\leq$ 100 mA (24 V DC)

### Interfaces

Signal	RS-485
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Data: V.24 (RS-232) interface in acc. with ITU-T V.28, EIA/TIA-232, DIN 66259-1

Serial transmission speed	0.3; 1.2; 2.4; 4.8; 7.2; 9.6; 19.2; 31.25; 38.4; 57.6; 75; 93.75; 115.2 kbps
Connection method	D-SUB 9 plug
Transmission length	max. 15 m
File format/coding	Serial asynchronous UART/NRZ, 7/8 data, 1/2 stop, 1 parity, 10/11-bit character length
Data flow control/protocols	Software handshake, Xon/Xoff, or hardware handshake RTS/CTS, 3964 compatible

Data: RS-422 interface in acc. with ITU-T V.11, EIA/TIA-422, DIN 66348-1

Serial transmission speed	0.3; 1.2; 2.4; 4.8; 7.2; 9.6; 19.2; 31.25; 38.4; 57.6; 75; 93.75; 115.2; 136; 187.5 kbps
Transmission length	max. 1200 m
Termination resistor	390 $\Omega$ (configurable)
	180 $\Omega$
	390 $\Omega$

Data: RS-485 interface, in acc. with EIA/TIA-485, DIN 66259-4/RS-485 2-wire

Serial transmission speed	0.3; 1.2; 2.4; 4.8; 7.2; 9.6; 19.2; 31.25; 38.4; 57.6; 75; 93.75; 115.2; 136; 187.5 kbps
Connection method	Pluggable screw connection
Transmission length	max. 1200 m
Termination resistor	390 $\Omega$ (configurable)
	180 $\Omega$
	390 $\Omega$

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## Wireless

Interface description	Bluetooth 2.0
Frequency range	2.402 GHz ... 2.48 GHz (ISM bandwidth)
Transmission method	1.6 kHz (FHSS)
Transmit capacity, minimum	-28 dBm (can be set via software)
Transmit capacity, maximum	20 dBm (can be set via software)
Minimum receiver sensitivity	-83 dBm
Antenna	External
Connection method	MCX socket
Range	20 dBm (100 mW) = 80 m ... 150 m
Bluetooth Multidrop master/slave	1/7

## Dimensions

Width	22.5 mm
Height	99 mm
Depth	116 mm

## Material specifications

Color (Housing)	green (RAL 6021)
Material (Housing)	PA 6.6-FR

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 60 °C

## EMC data

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

### Noise emission

Standards/regulations	EN 55011
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## Mounting

Mounting type	DIN rail mounting
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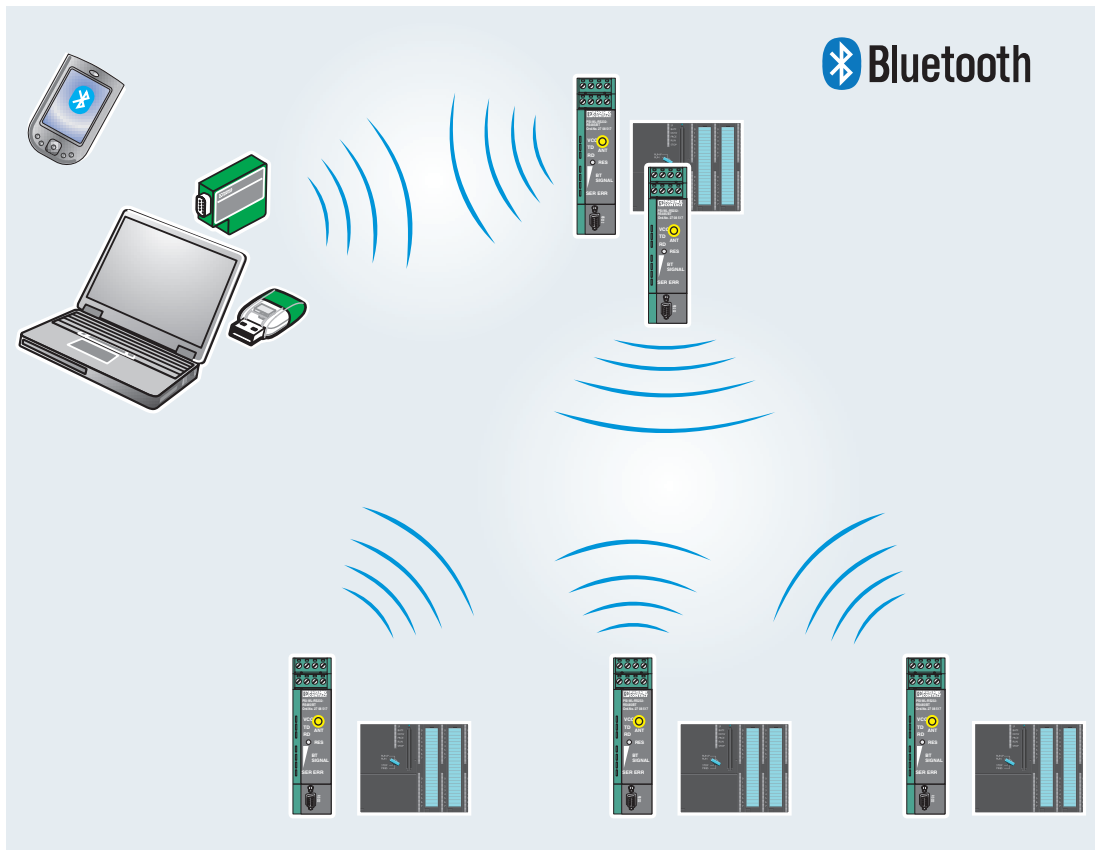


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## Drawings

### Functional drawing



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## Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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