

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



2708517

<https://www.phoenixcontact.com/us/products/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 |
|--------------|---------------------|

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 ± 20 % (via pluggable COMBICON screw terminal block) |
| | 24 V DC ± 20 % (as an alternative or redundant, via backplane bus contact and system current supply) |
| Typical current consumption | ≤ 100 mA (24 V DC) |

Interfaces

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|--------|--------|
| Signal | RS-485 |
|--------|--------|

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 Ω (configurable) |
| | 180 Ω |
| | 390 Ω |

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 Ω (configurable) |
| | 180 Ω |
| | 390 Ω |

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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

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|--------------------|------------------|
| 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 |
|-----------------------|----------|

Mounting

| | |
|---------------|-------------------|
| Mounting type | DIN rail mounting |
|---------------|-------------------|

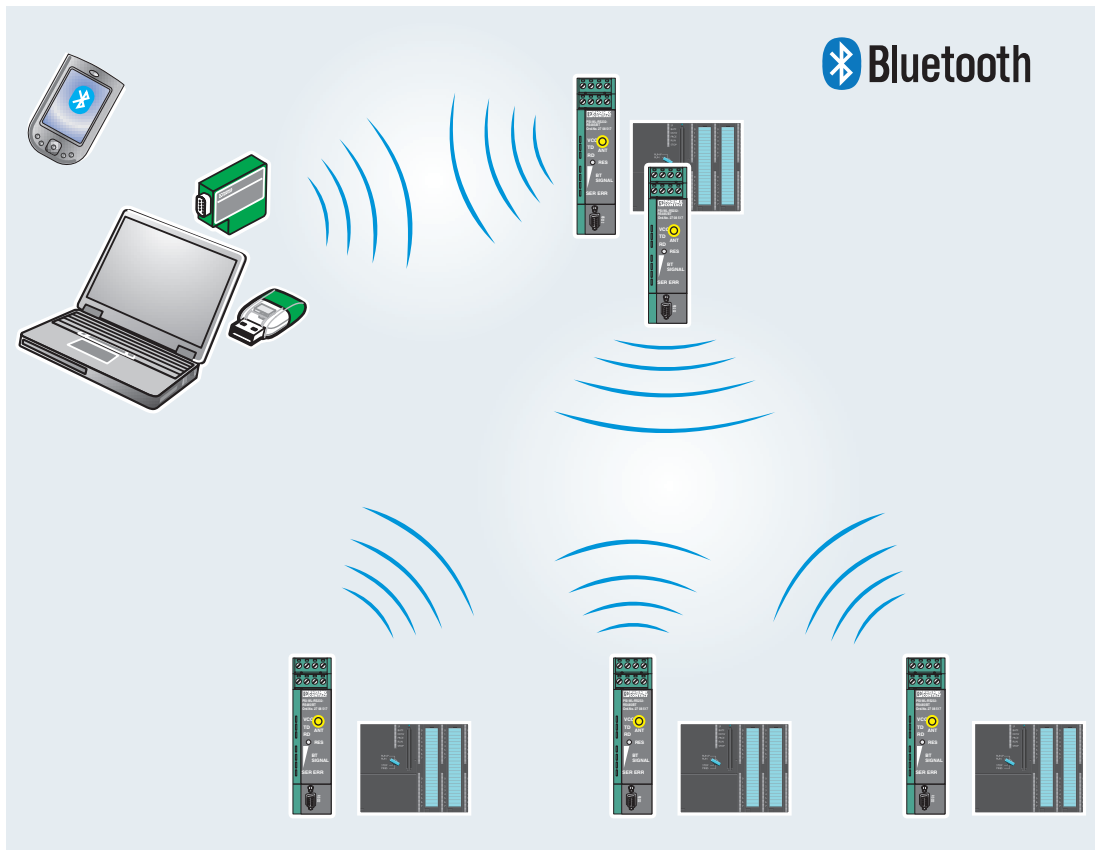
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Drawings

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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