

RAD-ISM-900-DATA-BD-AU - Wireless module



2867953

<https://www.phoenixcontact.com/us/products/2867953>

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Wireless transceiver (transmitter and receiver) with RS-232, RS-485/RS-422 interface, for 900 MHz ISM band (Australia)

Your advantages

- The individual devices can be configured as master, slave or repeater
- Frequency hopping spread spectrum
- Provides an interface for I/O data transmission between a 900 MHz wireless transmission system and RS-232, RS-422 or RS-485 interfaces
- Can be programmed for point-to-point, point-to-multipoint, and multipoint-to-point configurations
- Up to 254 slaves can be connected to one master
- Operates in the license-free 902 MHz ... 928 MHz ISM band

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2867953 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | NULL |
| Product key | DNC651 |
| GTIN | 4046356046978 |
| Weight per piece (including packing) | 444.44 g |
| Weight per piece (excluding packing) | 444.44 g |
| Customs tariff number | 85176200 |
| Country of origin | CA |

Technical data

Product properties

| | |
|--------------|-----------------|
| Product type | Wireless module |
|--------------|-----------------|

Electrical properties

Supply

| | |
|-----------------------------|--------------------|
| Supply voltage | 24 V DC |
| Supply voltage range | 9 V DC ... 30 V DC |
| Typical current consumption | 110 mA |
| Max. current consumption | 180 mA |

Connection data

| | |
|----------------------------------|---|
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Conductor cross-section flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section rigid | 0.2 mm ² ... 4 mm ² |
| Cross section AWG | 24 ... 12 |
| Screw thread | M3 |

Interfaces

Serial: RS-232

| | |
|-----------------------------|--------------------------------------|
| Data rate | 1,2 / 2,4 / 9,6 / 19,2 / 38,4 kBit/s |
| Connection method | D-SUB-9 female connector |
| File format/coding | Asynchronous |
| Data flow control/protocols | RTS/CTS |

Serial: RS-485/RS-422

| | |
|-------------------|---------------------------------------|
| Data rate | 1,2 / 2,4 / 9,6 / 19,2 / 38,4 kBit/s |
| Connection method | COMBICON plug-in screw terminal block |

Wireless

| | |
|------------------------------|-------------------------|
| Direction | Bi-directional |
| Frequency | 900 MHz |
| Frequency range | 915.1 MHz ... 927.8 MHz |
| Number of channel groups | 2 |
| Number of channels per group | 63 |
| Transmission power | 1 W |

Wireless

| | |
|----------------|---------|
| Frequency band | 900 MHz |
|----------------|---------|

Dimensions

| | |
|-------|---------|
| Width | 22.5 mm |
|-------|---------|

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| | |
|--------|----------|
| Height | 99 mm |
| Depth | 114.5 mm |

Material specifications

| | |
|------------------|-----------------------------|
| Color | green |
| Housing material | Polyamide PA non-reinforced |

Environmental and real-life conditions

Ambient conditions

| | |
|---|---------------------------------------|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -40 °C ... 70 °C -40 °F ... 158 °F |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |

EMC data

| | |
|-------------------------------|-----------------|
| Electromagnetic compatibility | FCC Part 15.247 |
|-------------------------------|-----------------|

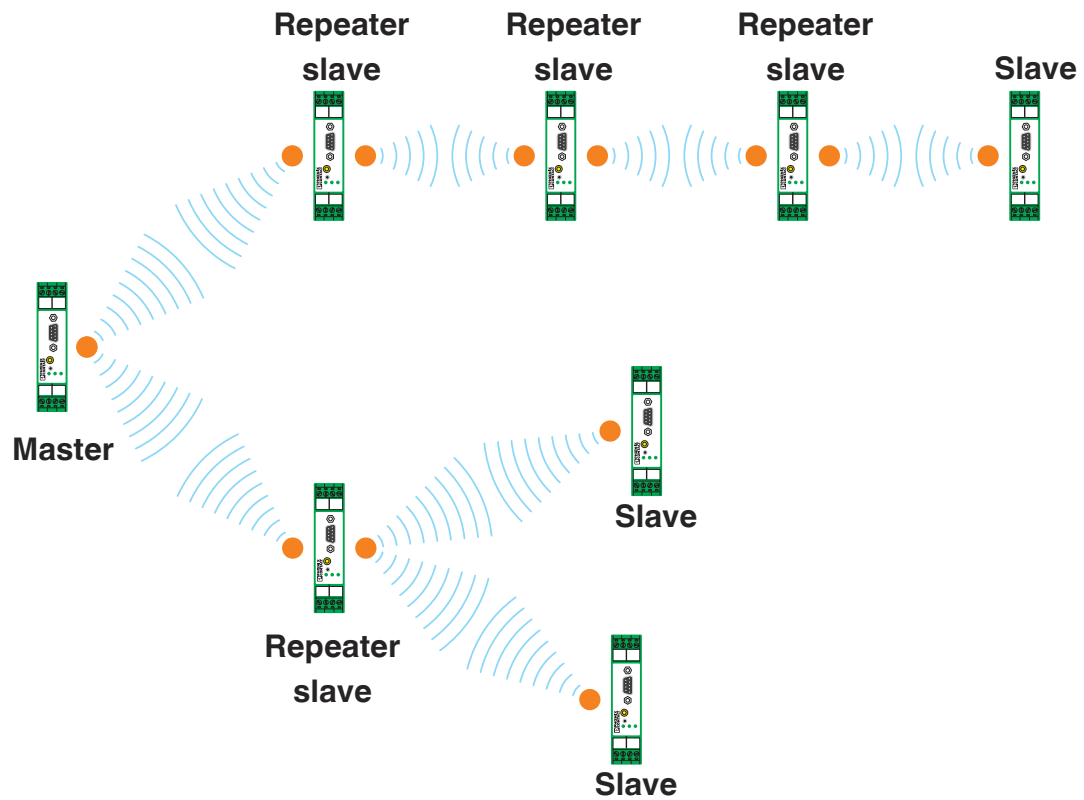
Mounting

| | |
|-------------------|--|
| Assembly note | on standard DIN rail NS 35 in accordance with EN 60715 |
| Mounting position | any |

Drawings

Application drawing

Network



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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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