

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



2867131

<https://www.phoenixcontact.com/us/products/2867131>

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

Your advantages

- Provides an interface for I/O data transmission between a 900 MHz wireless transmission system and RS-232, RS-422 or RS-485 interfaces
- The individual devices can be configured as master, slave or repeater
- Can be programmed for point-to-point, point-to-multipoint, and multipoint-to-point configurations
- Frequency hopping spread spectrum
- 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	2867131
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN26
Product key	DNC651
GTIN	4017918931643
Weight per piece (including packing)	222.9 g
Weight per piece (excluding packing)	206.5 g
Customs tariff number	85176200
Country of origin	CA

Technical data

Product properties

Product type	Wireless module
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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	902 MHz ... 928 MHz
Number of channel groups	4
Number of channels per group	63
Transmission power	1 W

Wireless

Frequency band	900 MHz
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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

Approvals

Conformity/Approvals

Conformance	FCC Directive, Part 15.247
	ISC Directive RSS 210
UL, USA / Canada	Class I, Div. 2, Groups A, B, C, D

EMC data

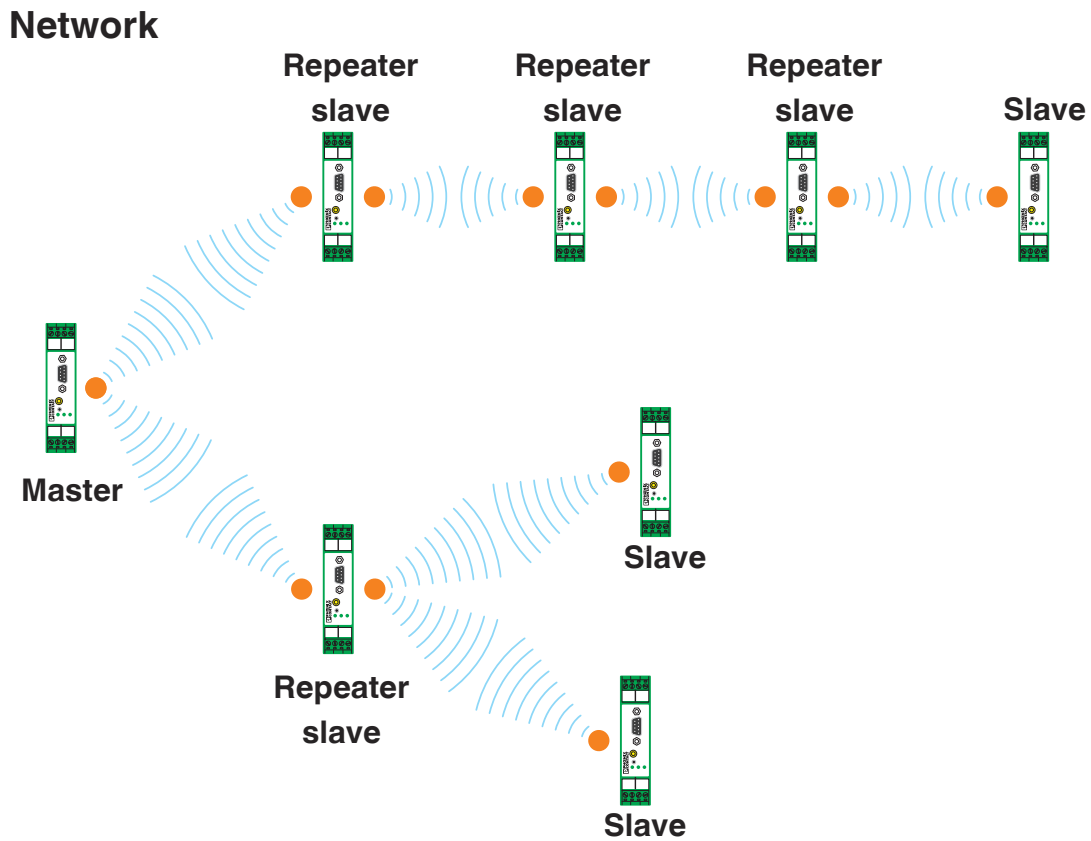
Electromagnetic compatibility	FCC Part 15.247 / ISC RSS 210
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Mounting

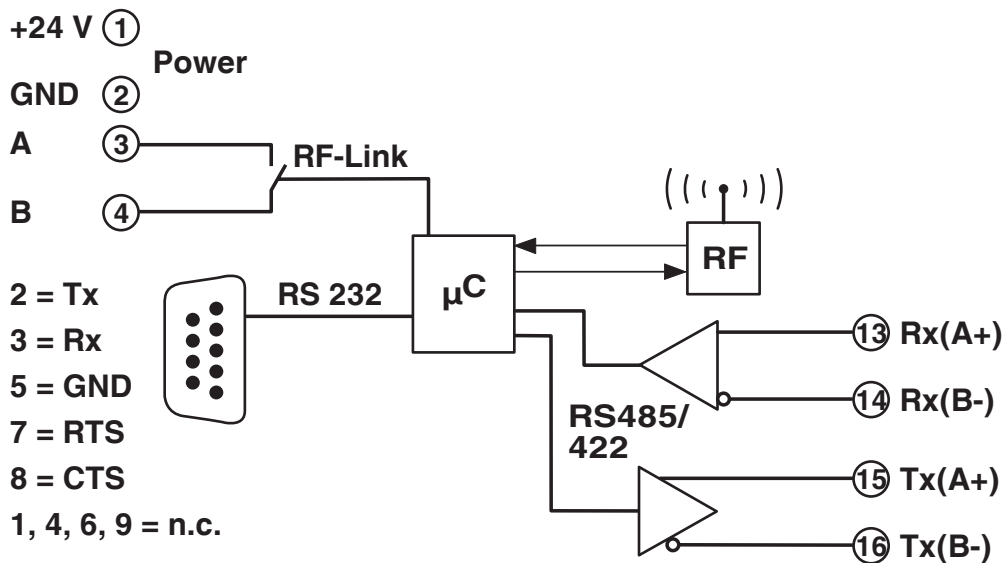
Assembly note	on standard DIN rail NS 35 in accordance with EN 60715
Mounting position	any

Drawings

Application drawing



Block diagram



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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com