RAD-ISM-900-SET-BD-BUS-ANT-AU - Wireless module

2867490

https://www.phoenixcontact.com/us/products/2867490

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Bidirectional, wireless, 900 MHz transmission system (Australia), made up of 2 transceivers (transmitter and receiver) and two antennas with connecting cable

Your advantages

- Frequency hopping spread spectrum
- The integrated bus foot enables connection to additional I/O modules
- Each transceiver has 1 analog input (4 ... 20 mA) and 2 digital inputs (5 ... 30 V AC/DC), as well as 1 analog output and 2 digital outputs, for direct connection to compatible sensors and actuators and for data transmission in both directions
- Status of the wireless connection via a relay (RF link)
- Operates in the license-free 902 MHz ... 928 MHz ISM band
- Individual transceivers are listed under Class I, Division 2
- Two omnidirectional antennas (optional)
- Additional transceivers can be added to configure repeater systems
- Two pre-programmed transceivers that automatically communicate with each other
- No additional parameterization or programming required

Commercial data

Item number	2867490
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN26
Product key	DNC651
GTIN	4046356046886
Weight per piece (including packing)	888.88 g
Weight per piece (excluding packing)	888.88 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	75 mA
Max. current consumption	200 mA

Input data

Digital

Input voltage range	5 V AC/DC ... 30 V AC/DC
Switching threshold "0" signal, voltage	max. 1.5 V DC
Switching threshold "1" signal voltage	min. 5 V DC

Analog

Description of the input	Current input (analog input)
Current input signal	4 mA ... 20 mA
Input resistance current input	< 170 Ω

Analog

Description of the input	Voltage input (digital input)

Output data

Digital

Output name	2x relay output + 1 x RF link
Number of outputs	3
Contact switching type	3 floating N/O contacts
Contact material	Ag, gold-plated
Maximum switching voltage	30 V DC
	250 V AC
Limiting continuous current	2 A

Analog

Output name	Current output
Number of outputs	1
Load/output load current output	700 Ω (at U_B = 24 V, R_B = [U_B-10 V] / 20 mA)

Connection data

Connection method	Screw connection
Stripping length	8 mm

Conductor cross-section flexible	0.2 mm² ... 2.5 mm²
Conductor cross-section rigid	0.2 mm² ... 4 mm²
Cross section AWG	24 ... 14
Screw thread	M3

Interfaces

Wireless

Direction	Bi-directional
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
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

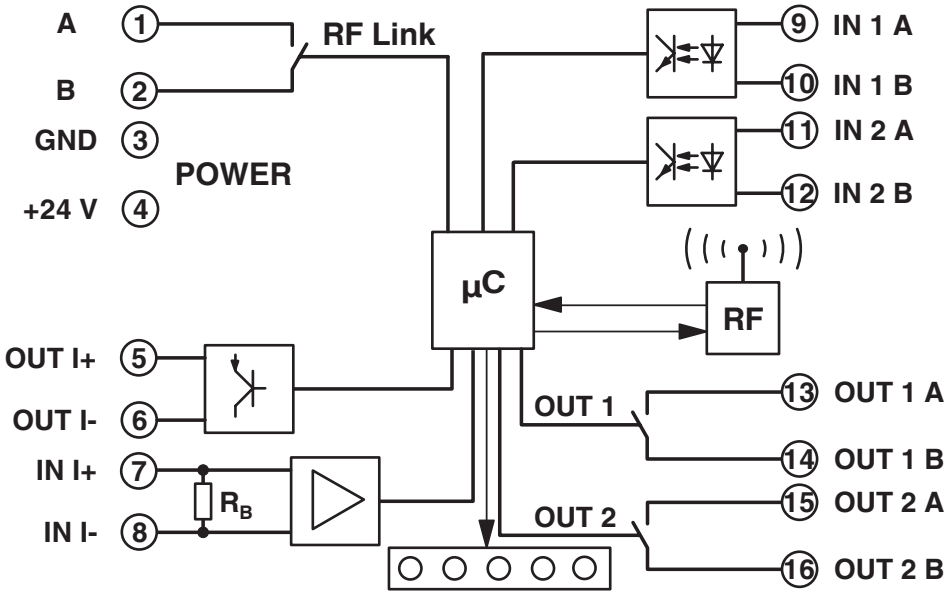
Electromagnetic compatibility	FCC Part 15.247

Mounting

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

Drawings

Block diagram



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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