RAD-ISM-900-SET-DC-UD-AU - Wireless module

2867432

https://www.phoenixcontact.com/us/products/2867432

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Unidirectional, wireless, 900 MHz transmission system (Australia), consists of an outdoor transmitter (transmitter, Tx) with 9...30 V DC supply, a DIN-mountable receiver (receiver, Rx) with 12...30 V DC supply, and antennas

Commercial data

Item number	2867432
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN26
Product key	DNC651
GTIN	4046356046831
Weight per piece (including packing)	888.88 g
Weight per piece (excluding packing)	888.88 g
Customs tariff number	85176990
Country of origin	CA

Technical data

Product properties

Product type	Wireless module

Electrical properties

Supply Receiver

Supply voltage	24 V DC (at U_B)
Supply voltage range	12 V DC ... 30 V DC
Typical current consumption	85 mA
Max. current consumption	125 mA

Supply Transmitter

Supply voltage	24 V DC
Supply voltage range	9 V DC ... 30 V DC
Typical current consumption	75 mA
Max. current consumption	350 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
Contact switching type	3 floating changeover contacts
Contact material	Ag, gold-plated
Maximum switching voltage	30 V DC
	120 V AC
Limiting continuous current	0.5 A
Service life electrical	8x 10^5 cycles at a switching current of 0.5 A
Mechanical service life	1x 10^7

Analog

Output name	Current output
Current output signal	4 mA ... 20 mA
Load/output load current output	700 Ω (at U_B = 24 V, R_B = [U_B-10 V] / 20 mA)

Connection data

Screw thread	M3

Interfaces

Wireless

Direction	Uni-directional
Number of channel groups	2
Number of channels per group	63

Wireless

Direction	Uni-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 range	915.1 MHz ... 927.8 MHz

Wireless

Frequency band	900 MHz

Dimensions

Width	17.5 mm
Height	99 mm
Depth	114.5 mm

Environmental and real-life conditions

Ambient conditions

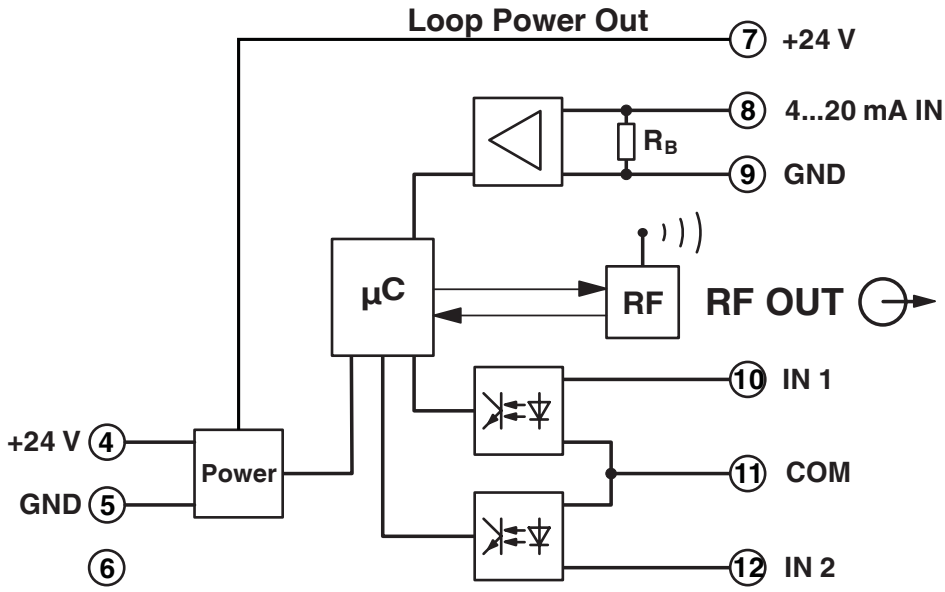
Degree of protection	IP65
	IP20
	IP20
Ambient temperature (operation)	-40 °C ... 70 °C
	-40 °F ... 158 °F
Ambient temperature (storage/transport)	-40 °C ... 85 °C

EMC data

Electromagnetic compatibility	FCC Part 15.247

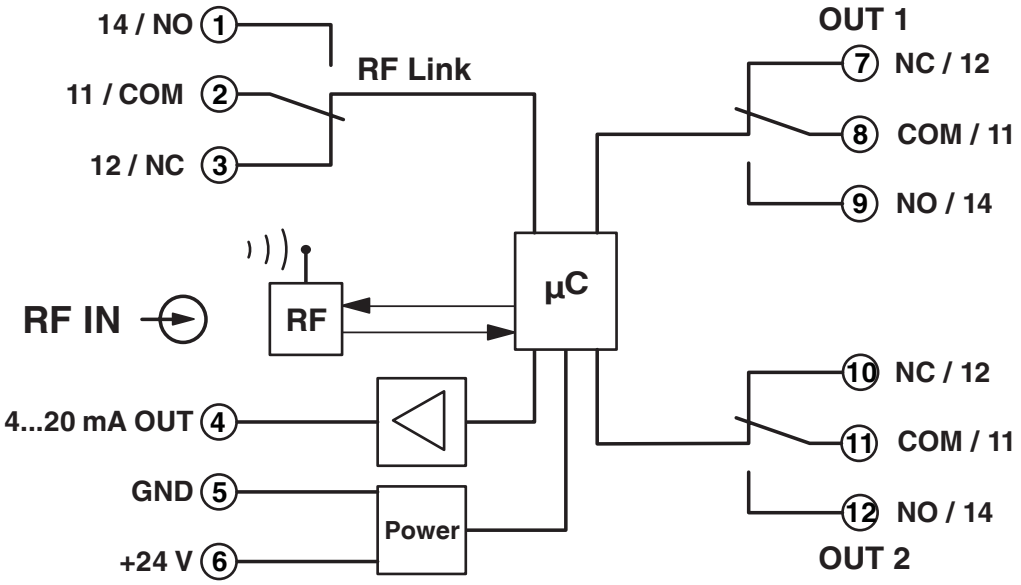
Drawings

Block diagram



Transmitter module

Block diagram



Receiver module

Classifications

ETIM

ETIM 8.0	EC002608

UNSPSC

UNSPSC 21.0	43222600

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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