

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



2867034

<https://www.phoenixcontact.com/us/products/2867034>

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Unidirectional, wireless, 900 MHz transmission system (America), 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	2867034
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN26
Product key	DNC651
Catalog page	Page 467 (C-8-2013)
GTIN	4017918929572
Weight per piece (including packing)	954 g
Weight per piece (excluding packing)	891 g
Customs tariff number	85176990
Country of origin	CA

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Technical data

Product properties

Product type	Wireless module
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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)
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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

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

Interfaces

Wireless

Direction	Uni-directional
Number of channel groups	4
Number of channels per group	63

Wireless

Direction	Uni-directional
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	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

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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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com