

## Wireless module - RAD-ISM-900-BD-BUS - 2867092

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Transceiver (transmitter and receiver) for expanding point to multipoint connections and repeater circuits, for 900 MHz bidirectional wireless transmission system (America)

### Your advantages

- ✓ Two omnidirectional antennas (optional)
- ✓ Additional transceivers can be added to configure repeater systems
- ✓ No additional parameterization or programming required
- ✓ Individual transceivers are listed under Class I, Division 2
- ✓ Operates in the license-free 902 - 928 MHz ISM band
- ✓ 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)



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 929619
GTIN	4017918929619

### Technical data

#### Note

Trade restriction	The products are offered exclusively for export outside the EU and the European Economic Area.
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#### Dimensions

Width	22.5 mm
Height	99 mm
Depth	114.5 mm

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## Technical data

### Ambient conditions

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

### Wireless set

Set contents	1 transceiver
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### General

Mounting position	any
Assembly instructions	on standard DIN rail NS 35 in accordance with EN 60715
Housing material	Polyamide PA non-reinforced

### Connection data

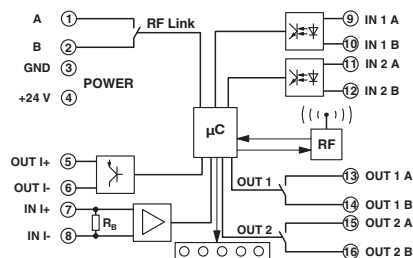
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3

### Standards and Regulations

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

## Drawings

Block diagram



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