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PHŒNIX CONTACT

Wireless module - RAD-ISM-900-EN-BD/B - 2901205

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Wireless transceiver (transmitter and receiver) with Ethernet for 900 MHz ISM band (America). This is a slave-only device that communicates with either the RAD-ISM-900-EN-BD or RAD-ISM-900-EN-BD-BUS configured as the master.
This product is exclusively for export outside of the European Economic Area (EEA).

Why buy this product

- Secure data transmission with 128/192/256-bit AES encryption
- Includes a transmitter that can be set from 10 mW ... 1 W
- Operates in the license-free 902 - 928 MHz ISM band
- Supports TCP/IP, UDP, and IPv4 protocols
- Provides an interface for data transmission between a 900 MHz wireless transmission system and Ethernet, RS-232, RS-422 or RS-485 interfaces
- Can be programmed for point-to-point, point-to-multipoint, and multipoint-to-point configurations
- Frequency hopping spread spectrum

Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 586740

Technical data

Note

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

Dimensions

Width	52 mm
Height	99 mm
Depth	114.5 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 75 °C

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Technical data

Ambient conditions

Degree of protection	IP20

Wireless set

Set contents	1 transceiver

Wireless path

Direction	Bi-directional
Frequency range	902 MHz ... 928 MHz
Transmission power	1 W (adjustable in 1 dBm increments)
Transmit capacity, minimum	10 dBm
Transmit capacity, maximum	30 dBm

Supply

Supply voltage	24 V DC
Supply voltage range	11 V DC ... 30 V DC
Max. current consumption	250 mA (at 24 V DC)

General

Mounting position	any
Assembly instructions	on standard DIN rail NS 35 in accordance with EN 60715
Housing material	Polyamide PA non-reinforced with aluminum heatsink
Conformance	FCC Directive, Part 15.247
	ISC Directive RSS 210

Connection data

Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	2.5 mm²
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

Classifications

eCl@ss

eCl@ss 4.0	27250312

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Classifications

eCl@ss

eCl@ss 4.1	27250312
eCl@ss 5.0	27242208
eCl@ss 5.1	27242208
eCl@ss 6.0	27242208
eCl@ss 7.0	27242208
eCl@ss 8.0	27143102

ETIM

ETIM 3.0	EC000310
ETIM 4.0	EC000674
ETIM 5.0	EC000674

UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	43223108
UNSPSC 11	39121008
UNSPSC 12.01	43223108
UNSPSC 13.2	43223108

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Product	Code	Reference	Product link
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