

Wireless module - RAD-ISM-900-DATA-BD-PLUS - 2902277

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Wireless transceiver (transmitter and receiver) with RS-232, RS-485/RS-422 interface, for 900 MHz ISM band (America). Allows up to 8 analog/digital/pulse inputs and 4 outputs onboard.

Product description

Wireless transceiver (transmitter and receiver) with RS-232, RS-485/RS-422 interface, for 900 MHz ISM band (America). Allows up to 8 analog/digital/pulse inputs and 4 outputs onboard.



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	342.6 GRM
Custom tariff number	85176200
Country of origin	Canada

Technical data

Dimensions

Width	64 mm
Height	99 mm
Depth	114.5 mm

Ambient conditions

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

Wireless set

Set contents	1 transceiver
--------------	---------------

Wireless path

Direction	Bi-directional
-----------	----------------

Wireless module - RAD-ISM-900-DATA-BD-PLUS - 2902277

Technical data

Wireless path

Frequency range	902 MHz ... 928 MHz
Transmission power	1 W
Transmit capacity, maximum	30 dBm
Number of channel groups	4
Number of channels per group	63
Connection method	MCX (female)

Serial interface

Name	RS-232
Data rate	1,2 / 2,4 / 9,6 / 19,2 / 38,4 kBit/s
Connection method	D-SUB 9 (socket)
File format/coding	Asynchronous
Data flow control/protocols	RTS/CTS
Name	RS-485/RS-422
Data rate	1,2 / 2,4 / 9,6 / 19,2 / 38,4 kBit/s
Connection method	COMBICON plug-in screw terminal block

Supply

Supply voltage	24 V DC
Supply voltage range	12 V DC ... 30 V DC
Max. current consumption	4.1 A
Nominal power consumption	2.5 W

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

Connection data

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

Wireless module - RAD-ISM-900-DATA-BD-PLUS - 2902277

Classifications

eCl@ss

eCl@ss 4.0	27250312
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	27242208

ETIM

ETIM 3.0	EC000310
ETIM 4.0	EC000310
ETIM 5.0	EC000310

UNSPSC

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

Accessories

Accessories

Adapter cable

Antenna cable - RAD-CON-MCX90-N-SS - 2885207



Adapter cable, pigtail 120 cm 90° MCX(m) -> N(m)

Antenna

Wireless module - RAD-ISM-900-DATA-BD-PLUS - 2902277

Accessories

Antenna - RAD-ISM-900-ANT-OMNI-0-6 - 2867160



Omnidirectional antenna, IP65 protection, cable length 2 m, connection MCX (male)

Antenna - RAD-ISM-900-ANT-OMNI-FG-3-N - 2867791



Omnidirectional antenna, IP65 protection, gain 5 dBi, connection N (female)

Antenna - RAD-ISM-900-ANT-OMNI-FG-6-N - 2885579



Omnidirectional antenna, IP65 protection, gain 8 dBi, connection N (female)

Antenna - RAD-ISM-900-ANT-YAGI-6.5-N - 2867814



Panel antenna, IP65 protection, gain 8.5 dBi, cable length 1.5 m, connection N (female)

Coaxial cable

Antenna cable - RAD-CAB-LMR500-25 - 5606126



Antenna cable, 25 ft. in length, type N (male) to type N (male), 50 Ω impedance

Wireless module - RAD-ISM-900-DATA-BD-PLUS - 2902277

Accessories

Control box

Control cabinet - RAD-SYS-NEMA4X-900 - 2917188

NEMA 4X enclosure for wireless systems

Drawings

Block diagram

