

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

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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
Minimum order quantity	500
GTIN	 4 046356 675475
Custom tariff number	85176200
Country of origin	CANADA

Technical data

Wireless set

Set contents	1 transceiver
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Wireless path

Direction	Bi-directional
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	9-pos. D-SUB (female connector)
File format/coding	Asynchronous
Data flow control/protocols	RTS/CTS
Name	RS-485/RS-422

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Technical data

Serial interface

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 data

Width	64 mm
Height	99 mm
Depth	114.5 mm
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Degree of protection	IP20
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

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

Classifications

eClass

eCl@ss 5.1	27242208
eCl@ss 6.0	27242208
eCl@ss 7.0	27242208

etim

ETIM 4.0	EC000310
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Accessories

Accessories

Cable/conductor

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Accessories

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



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

Plug/Adapter

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



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

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)

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Accessories

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)

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

NEMA 4X enclosure for wireless systems

Drawings

Block diagram

