Wireless module - RAD-ISM-900-DATA-BD-AU - 2867953

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Wireless transceiver (transmitter and receiver) with RS-232, RS-485/RS-422 interface, for 900 MHz ISM band (Australia)

Product Features

- Up to 254 slaves can be connected to one master
- Operates in the license-free 902 - 928 MHz ISM band
- The individual devices can be configured as master, slave or repeater
- Can be programmed for point-to-point, point-to-multipoint, and multipoint-to-point configurations
- Provides an interface for I/O data transmission between a 900 MHz wireless transmission system and RS-232, RS-422 or RS-485 interfaces
- Frequency hopping spread spectrum
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Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	205.7 GRM
Custom tariff number	85176200
Country of origin	Canada

Technical data

Dimensions

Width	22.5 mm
Height	99 mm
Depth	114.5 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °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	915.1 MHz ... 927.8 MHz
Transmission power	1 W
Number of channel groups	2
Number of channels per group	63

Serial interface

Designation	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
Designation	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	9 V DC ... 30 V DC
Typical current consumption	110 mA
Max. current consumption	180 mA

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 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.	12
Connection method	Screw connection

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Technical data

Connection data

Stripping length	8 mm
Screw thread	M3

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

ETIM

ETIM 2.0	EC000310
ETIM 3.0	EC000310
ETIM 4.0	EC000310
ETIM 5.0	EC000310

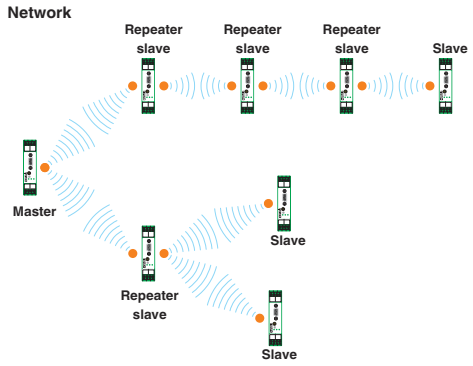
UNSPSC

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

Drawings

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Application drawing



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