RAD-WHA-1/2NPT - WirelessHART adapter

2900100

https://www.phoenixcontact.com/us/products/2900100

Adapter that can be used to interface HART field devices into a WirelessHART network.

Product description

Adapter that can be used to interface HART field devices into a WirelessHART network.

Your advantages

- Connected HART devices can transmit data via a WirelessHART network
- A standard signal with 4 ... 20 mA can be connected in order to integrate non-HART devices into a WirelessHART network
- 1/2" NPT connection for distributed or direct device connection
- Removable antenna for connecting a coaxial cable and a high-gain antenna
- Up to 4 HART devices can be connected to one adapter

Commercial data

Item number	2900100
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN26
Product key	DNC621
Catalog page	Page 385 (C-6-2019)
GTIN	4046356583930
Weight per piece (including packing)	1,127.5 g
Weight per piece (excluding packing)	1,127.5 g
Customs tariff number	85177000
Country of origin	US

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Technical data

Product properties

Product type	Adapter
Application	Process technology

Electrical properties

Supply

Supply voltage	24 V DC
Supply voltage range	11 V DC ... 30 V DC
Max. current consumption	95 mA

Input data

Analog

Description of the input	Analog input
Current input signal	4 mA ... 20 mA

Analog

Description of the input	HART FSK

Connection data

Connection method	Flying leads, 20 AWG

Interfaces

Wireless

Interface description	WirelessHART
Note	Test loops connect HART programming tool
Direction	Bi-directional
Frequency	2.4 GHz
Frequency range	2.4 GHz ... 2.4835 GHz
Channel distance	5 MHz
Number of channel groups	15
Transmit capacity, minimum	0 dBm
Transmit capacity, maximum	10 dBm
Minimum receiver sensitivity	-90 dBm
Antenna	External
Antenna connection method	N (female)

Dimensions

Width	87.2 mm
Height	161 mm
Depth	65.3 mm

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Material specifications

Housing material	Aluminum, die-cast, corrosion resistant, powder-coated

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	10 % ... 100 %

Approvals

Ex data

ATEX	⟨Ex⟩ II 3G Ex nA [nL] IIC T4 Gc, Ex nA [ic] IIC T4 Gc, Sira 11ATEX4217X
IECEx	Ex nA [nL] IIC T4 Gc, Ex nA [ic] IIC T4 Gc, SIR 11.0098X
CSA, USA/Canada	⟨Ⓢⓟ⟩ Canada: Class I, Division 2, Groups A,B,C,D; Class I, Zone 2, AEx nA [nC] IIC T4 Gc

EMC data

Electromagnetic compatibility	FCC Part 15.247

Mounting

Assembly instructions	1/2-in. NPT
Mounting position	any