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# WirelessHART adapter - RAD-WHA-1/2NPT - 2900100

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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.

## Why buy this product

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

## WirelessHART

## Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 583930

## Technical data

### Dimensions

Width	87.2 mm
Height	161 mm
Depth	65.3 mm

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Degree of protection	IP65

### Wireless path

Interface description	WirelessHART
Note	Test loops connect HART programming tool
Direction	Bi-directional
Frequency range	2.4 GHz ... 2.4835 GHz

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## Technical data

### Wireless path

Transmit capacity, minimum	0 dBm
Transmit capacity, maximum	10 dBm
Channel distance	5 MHz
Number of channel groups	15
Connection method	N (female)

### Supply

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

### General

Mounting position	any
Assembly instructions	1/2-in. NPT
Housing material	Aluminum, die-cast, corrosion resistant, powder-coated

### Connection data

Connection method	Flying leads, 20 AWG
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### Standards and Regulations

Electromagnetic compatibility	FCC Part 15.247
Interface description	WirelessHART
Channel distance	5 MHz
ATEX	# 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

## Classifications

### eCl@ss

eCl@ss 4.0	27230207
eCl@ss 4.1	27250312
eCl@ss 5.0	27242208
eCl@ss 5.1	19030503
eCl@ss 6.0	27069204
eCl@ss 7.0	19070102
eCl@ss 8.0	19170202

### ETIM

ETIM 3.0	EC001423
ETIM 4.0	EC000817
ETIM 5.0	EC000817

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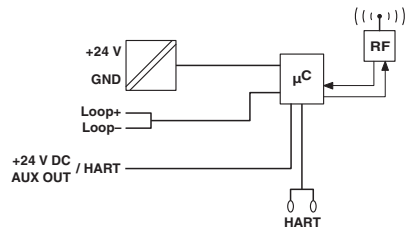
## Classifications

### UNSPSC

UNSPSC 6.01	43171611
UNSPSC 7.0901	43221706
UNSPSC 11	43171611
UNSPSC 12.01	43221706
UNSPSC 13.2	43221706

## Drawings

Block diagram



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