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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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RAD-CON-MCX-RPSMA-EX

Explosion-proof antenna fitting



INTERFACE

Data Sheet
2150_en_D

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1 Description

The RAD-CON-MCX-RPSMA-EX can be used directly with any UL-listed explosion-proof housing or fitting without the need of a seal fitting. It allows any Phoenix Contact wireless product to be placed in a Class I, Div. 1 area with the antenna mounted outside the cabinet.

The fitting simply limits the amount of energy to the antenna, thereby eliminating the possibility of an explosion. It features 0.9 m (3 ft.) of integrated cable with an MCX connector to connect to the radio inside the cabinet. An antenna or additional cable attaches to the RP-SMA connector on the fitting on the outside of the cabinet.

2 Features

- Short-circuit protection
- No sealing fitting required - allows easy installation in hazardous areas
- Meets NEMA 7; Class I, Division 1, Groups A, B, C, D; Class II, Division 1, Groups F, G; and Class II, Division 1 Groups F, G requirements
- Corrosion-resistant stainless steel
- Environmental protection for internal circuitry
- Flameproof and intrinsically safe in one package
- Less than 1.5 dB attenuation
- 3/4-in. NPT connection



Make sure you always use the latest documentation.
It can be downloaded at www.phoenixcontact.net/catalog.



This data sheet is valid for all products listed on the following page:


3 Ordering Data

Products

Description	Type	Order No.	Pcs./Pkt.
Antenna fitting, explosion proof, 90 cm pigtail, 3/4-in NPT threads, MCX (male) to RP-SMA (female)	RAD-CON-MCX-RPSMA-EX	2885621	1

4 Technical Data

General data	
Maximum fault voltage (RMS)	250 V
Maximum radio power output	2 W
Frequency	≤ 2.4 GHz
Impedance	50 Ω
Mounting	3/4-in. NPT
Material	300 series stainless steel housing nickel-plated brass RP-SMA connector

Conformance/approval	
	Class I, Division 1, Groups A,B,C,D
	Class I, Division 2, Groups A,B,C,D
	Class II, Division 1, Groups F,G
	Class II, Division 2, Groups F,G
National Electrical Manufacturer's Association	NEMA 7

5 Dimensions

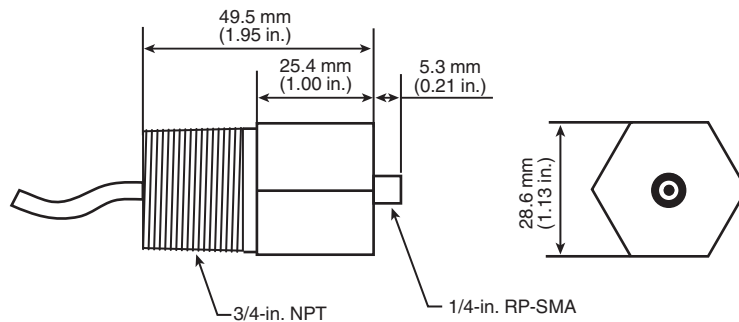


Figure 1 Dimensions