

## Antenna barrier - RAD-PIG-RSMA-N-EX/ATEX - 2904788

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Antenna barrier, type of protection: Ex d, Ex mb, Ex i, barrier installation: zone 1, antenna installation: zone 0, 1 or 2, frequency range: 0.3 GHz ... 6 GHz, connection: RSMA (male) -> N (female), incl. 0.7 m / 2.3 ft. connection cable, ATEX and IECEx approval



### Why buy this product

- Universal use (frequency range of 0.3 ... 6 GHz)
- Use of standard antennas in the hazardous area of zone 0, 1, and 2



### Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	200.000 g
Custom tariff number	85177019
Country of origin	United States

### Technical data

#### Dimensions

Fixed cable length	0.76 m
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#### Ambient conditions

Degree of protection	IP66
Ambient temperature (operation)	-40 °C ... 75 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

#### General

Connection method	Type N (female)
	RSMA (male)
Mounting	Bulkhead, M25 thread
Material for screw connection	Stainless steel

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## Technical data

### General

Frequency range	0.3 GHz ... 6 GHz
Impedance	50 Ω
Maximum HF output power P <sub>i</sub>	2 W
Maximum error voltage U <sub>m</sub>	250 V DC
Maximum capacity	5.64 nF
ATEX	# II 2(1)G, Ex d mb [ia] IIC

### Attenuation

Cable, attenuation	0.6 dB @ 900 MHz
	1.3 dB @ 2.4 GHz
	4.8 dB @ 5.8 GHz

### Standards and Regulations

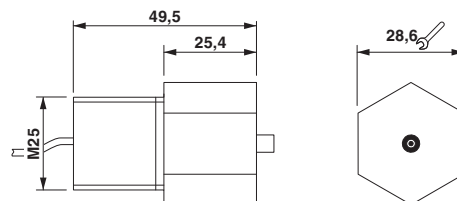
ATEX	# II 2(1)G, Ex d mb [ia] IIC
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### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

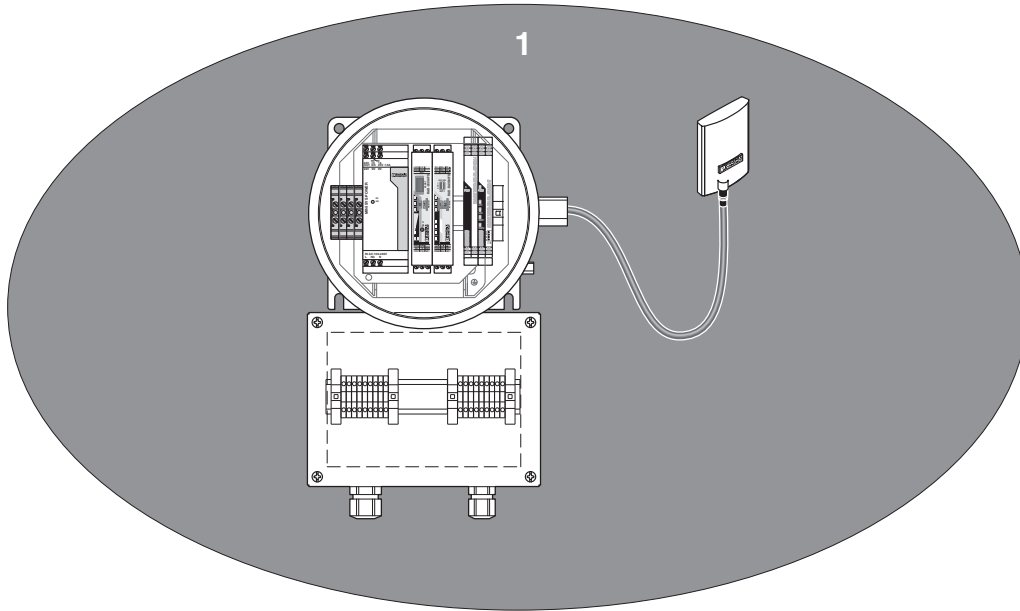
## Drawings

Dimensional drawing



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Application drawing



## Classifications

### eCl@ss

eCl@ss 4.0	27250312
eCl@ss 4.1	27250312
eCl@ss 5.0	19070102
eCl@ss 5.1	19070102
eCl@ss 6.0	19070102
eCl@ss 7.0	19070102
eCl@ss 8.0	27060310
eCl@ss 9.0	27060310

### ETIM

ETIM 4.0	EC001698
ETIM 5.0	EC001682
ETIM 6.0	EC001682

### UNSPSC

UNSPSC 6.01	43171611
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#### UNSPSC

UNSPSC 7.0901	43221706
UNSPSC 11	43171611
UNSPSC 12.01	43221706
UNSPSC 13.2	26121606