

# RAD-ISM-2400-ANT-OMNI-9-0 - Antenna



2867623

<https://www.phoenixcontact.com/us/products/2867623>

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Omnidirectional antenna, 2.4 GHz, gain: 9 dBi, polarization: linear, opening angle: h/v 360°/15°, degree of protection: IP65, connection: N (female), incl. mounting bracket and mast clips

## Your advantages

- For medium distances
- For freely mobile applications
- For multipoint or mesh connections

## Commercial data

Item number	2867623
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN23
Product key	DNN2Z1
GTIN	4017918939007
Weight per piece (including packing)	850 g
Weight per piece (excluding packing)	853 g
Customs tariff number	85177100
Country of origin	PL

## Technical data

### Notes

#### Note on application

Note on application	Only for industrial use
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### Product properties

Product type	Antenna
Gain	9 dBi
Vertical beamwidth	15 °
Horizontal beamwidth	360 °
Polarization	Linear vertical

### Electrical properties

Frequency band	2.4 GHz
Frequency range	2.4 GHz ... 2.5 GHz
Impedance	50 Ω
Voltage standing wave ratio VSWR in a 50 Ω system	≤ 2.00

### Connection data

#### Connection technology

Connection method	N (female)
Outside diameter	28 mm ... 47 mm (Mast)

### Dimensions

Width	25 mm
Height	625 mm

#### External dimensions

Outside diameter	28 mm ... 47 mm (Mast)
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### Material specifications

Color	gray white (RAL 9002)
Material	Fiberglass-reinforced plastic
	Aluminum
	V2A

### Cable/line

Connecting cable	no
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### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP65
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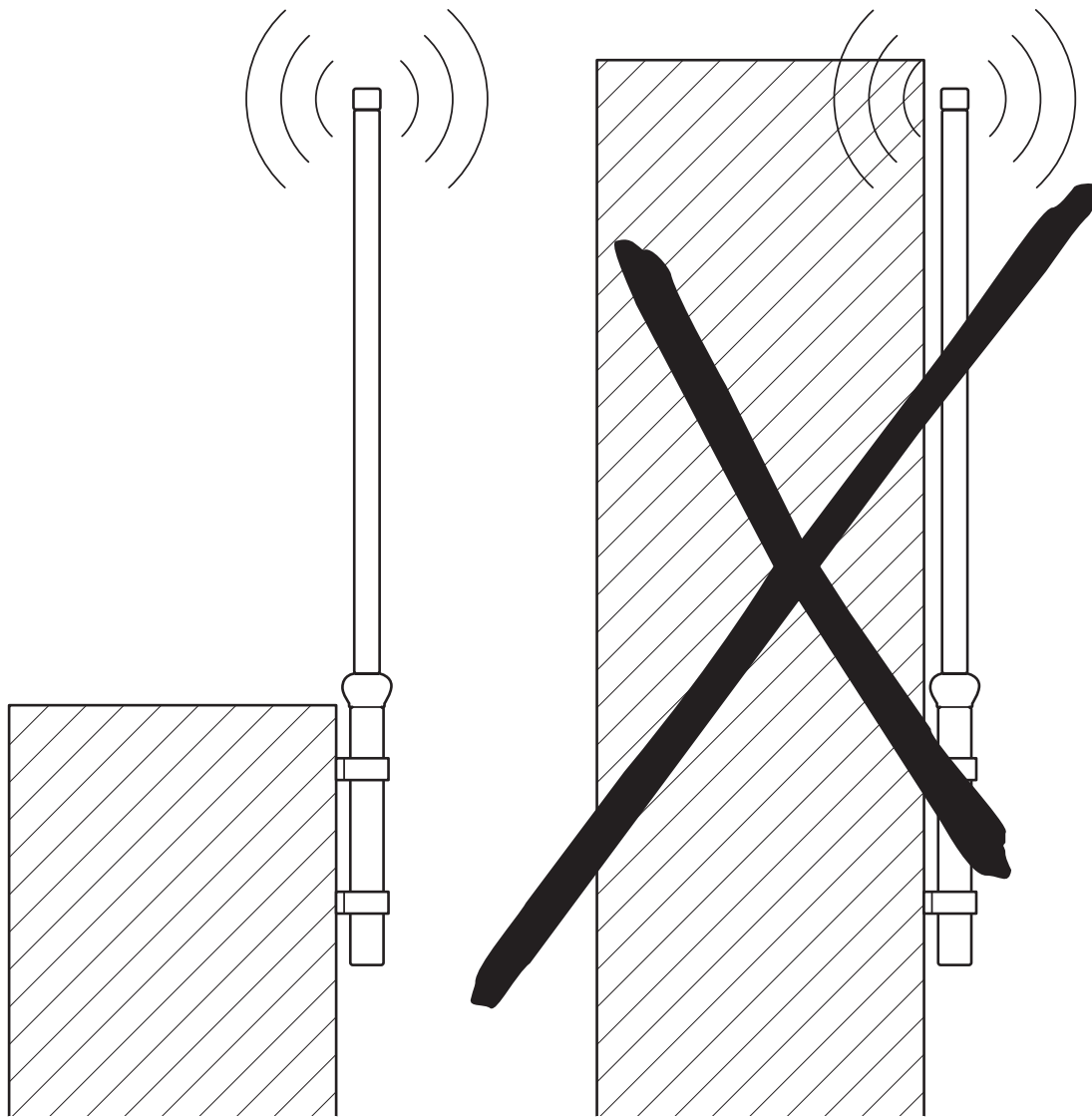
Ambient temperature (operation)	-40 °C ... 75 °C
Ambient temperature (storage/transport)	-40 °C ... 75 °C

## Mounting

Mounting type	Panel mounting
	Mast mounting

Drawings

Schematic diagram



Mounting

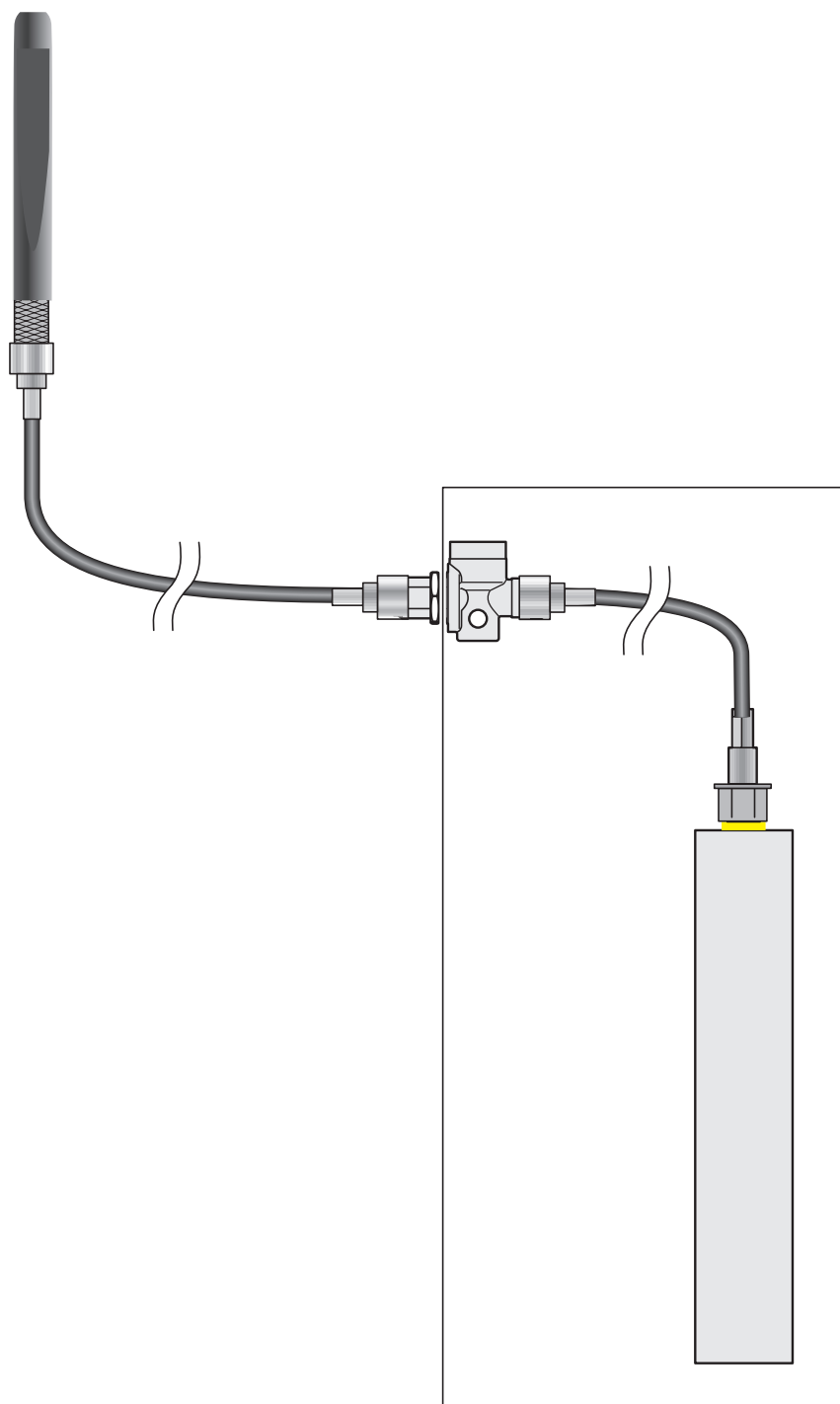
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Schematic diagram



Installation example

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## Classifications

### ECLASS

ECLASS-13.0	19070105
ECLASS-15.0	19070105

### ETIM

ETIM 10.0	EC001698
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### UNSPSC

UNSPSC 21.0	43223100
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-25
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	b4195123-53aa-4899-9f5d-bba4882d8f88

### EF3.1 Climate Change

CO2e kg	16.349 kg CO2e
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