

RAD-ISM-2400-ANT-OMNI-2-1 - Antenna



2867461

<https://www.phoenixcontact.com/us/products/2867461>

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Omnidirectional antenna, 2.4 GHz, gain: 2 dBi, polarization: linear, opening angle: h/v 360°/75°, degree of protection: IP65, connection: MCX (male), incl. 1.5 m / 5 ft. connecting cable and mounting bracket for panel mounting

Your advantages

- For freely mobile applications
- For multipoint or mesh connections

Commercial data

Item number	2867461
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN23
Product key	DNN2Z1
GTIN	4017918952761
Weight per piece (including packing)	88.7 g
Weight per piece (excluding packing)	86.7 g
Customs tariff number	85177000
Country of origin	DE

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Technical data

Product properties

Product type	Antenna
Gain	2 dBi
Vertical beamwidth	75 °
Horizontal beamwidth	360 °
Polarization	Linear vertical

Electrical properties

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

Connection data

Connection technology

Connection method	MCX (male)
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Dimensions

Width	7.8 mm
Height	82.5 mm

Material specifications

Material	Polyurethane
	Polycarbonate PC
	V2A
Outer sheath, material	Fluorinated ethylene propylene (FEP)

Cable/line

Cable length	1.50 m
Connecting cable	yes
External cable diameter	2.50 mm
Outer sheath, material	Fluorinated ethylene propylene (FEP)
Smallest bending radius, fixed installation	25.4 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-30 °C ... 75 °C

Mounting

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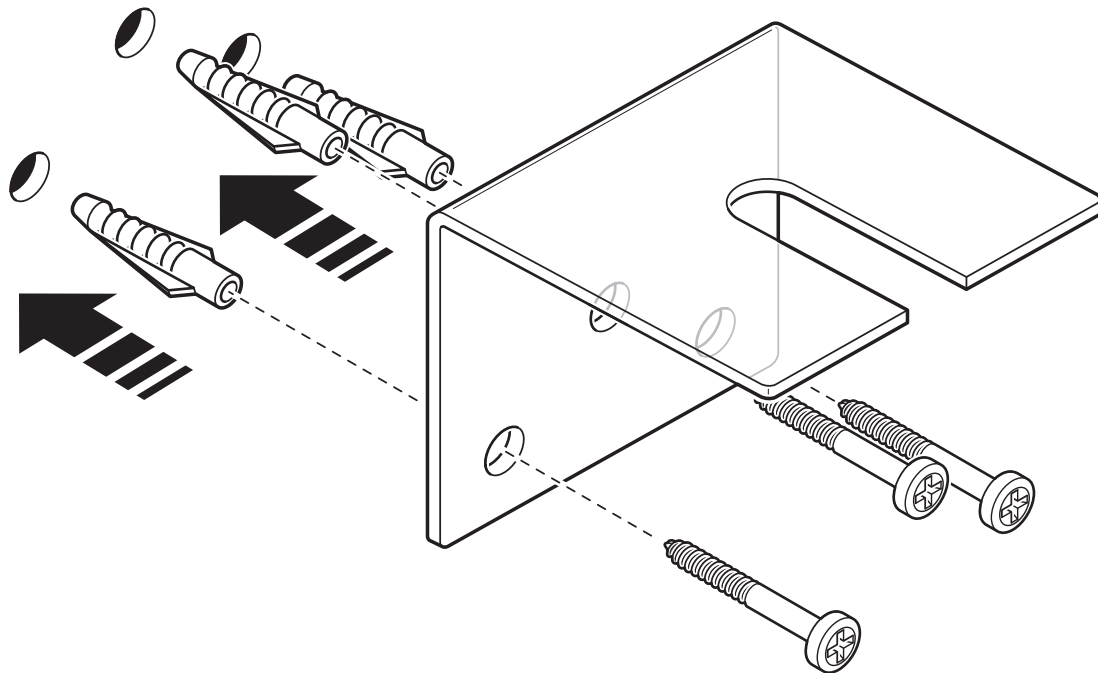
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Mounting type

Panel mounting

Drawings

Schematic diagram



Panel mounting

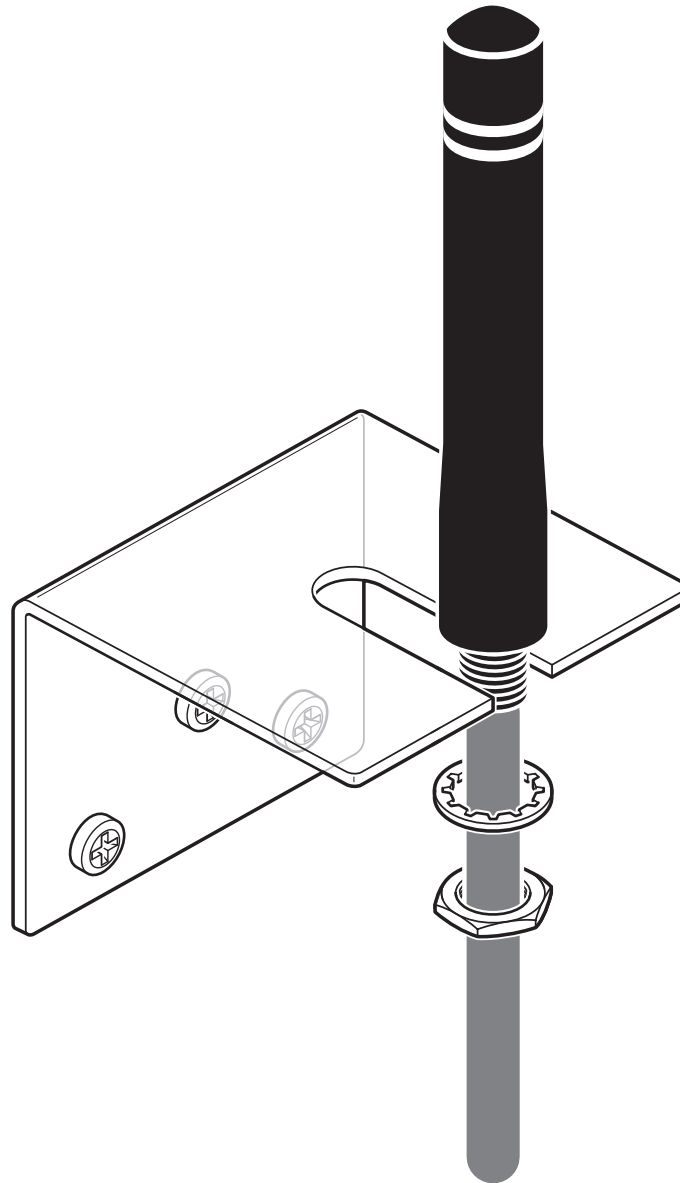
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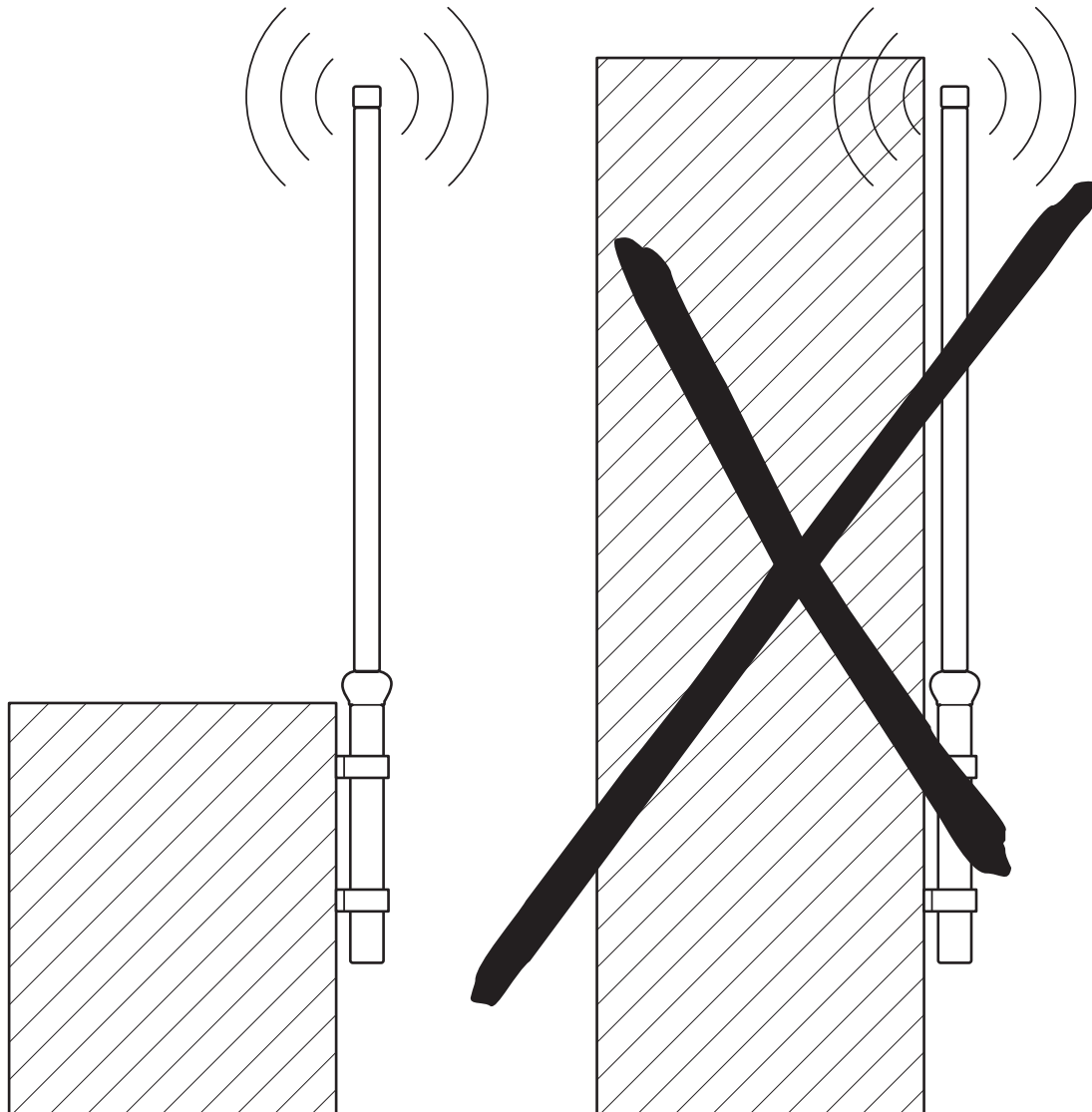
<https://www.phoenixcontact.com/us/products/2867461>

Schematic diagram



Panel mounting

Schematic diagram

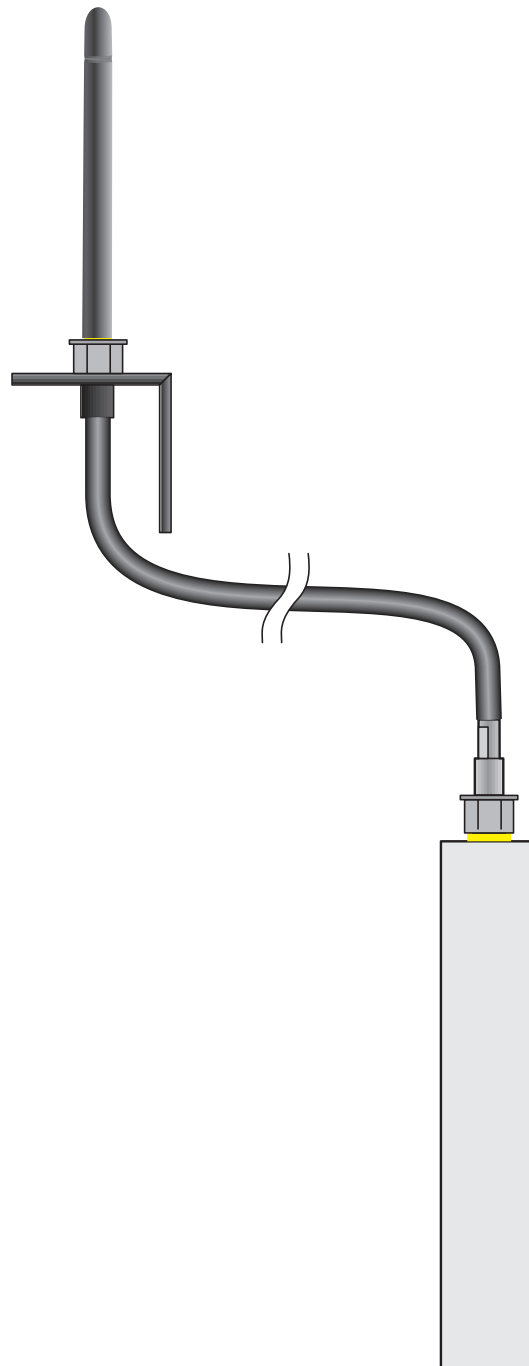


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Schematic diagram



Installation example

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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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