

RAD-2400-ANT-OMNI-6-0-SW - Antenna



2903219

<https://www.phoenixcontact.com/us/products/2903219>

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Omnidirectional antenna, 2.4 GHz, gain: 6 dBi, polarization: linear, opening angle: h/v 360°/20°, degree of protection: IP67, seawater-resistant, connection: N (female), incl. mounting bracket and mast clips

Your advantages

- For use in potentially explosive areas
- Salt water resistant
- For freely mobile applications
- For multipoint or mesh connections

Commercial data

Item number	2903219
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN23
Product key	DNN2Z1
GTIN	4046356726047
Weight per piece (including packing)	330.4 g
Weight per piece (excluding packing)	150 g
Customs tariff number	85177000
Country of origin	TW

Technical data

Product properties

Product type	Antenna
Gain	6 dBi
Vertical beamwidth	20 °
Horizontal beamwidth	360 °
Polarization	Linear vertical

Electrical properties

Frequency band	2.4 GHz
Frequency range	2.4 GHz ... 2.5 GHz
Impedance	50 Ω
Maximum capacity	15.00 W
Voltage standing wave ratio VSWR in a 50 Ω system	≤ 1.80

Connection data

Connection technology

Connection method	N (female)
Outside diameter	30 mm ... 45 mm (Mast)

Dimensions

Height	330 mm
Diameter	20 mm

External dimensions

Outside diameter	30 mm ... 45 mm (Mast)
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Material specifications

Material	Fiberglass-reinforced plastic
	Fiberglass-reinforced plastic
	V2A

Cable/line

Connecting cable	no
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Environmental and real-life conditions

Ambient conditions

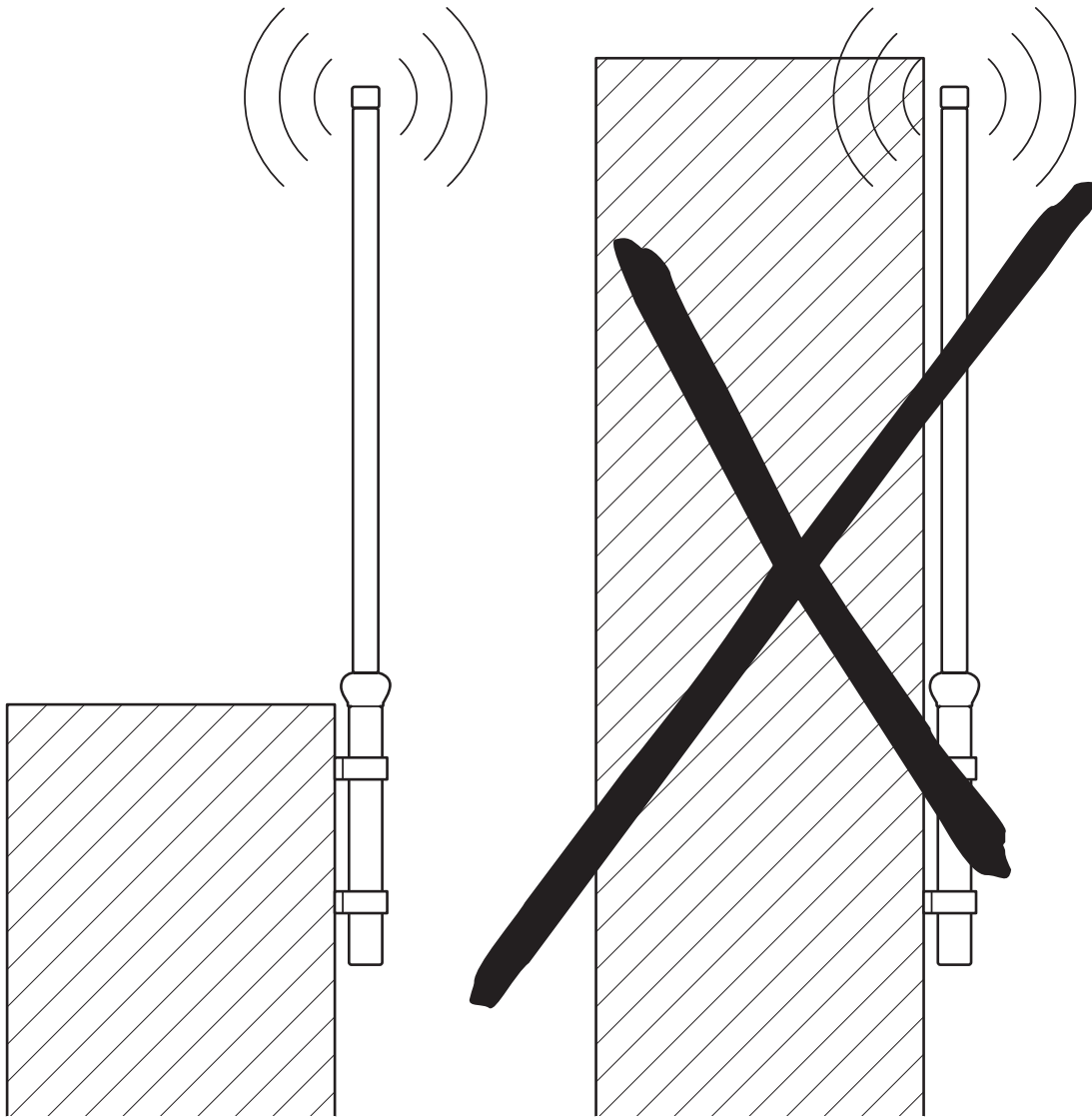
Degree of protection	IP65
Ambient temperature (operation)	-40 °C ... 75 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Mounting

Mounting type	Mast mounting or panel mounting
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Drawings

Schematic diagram



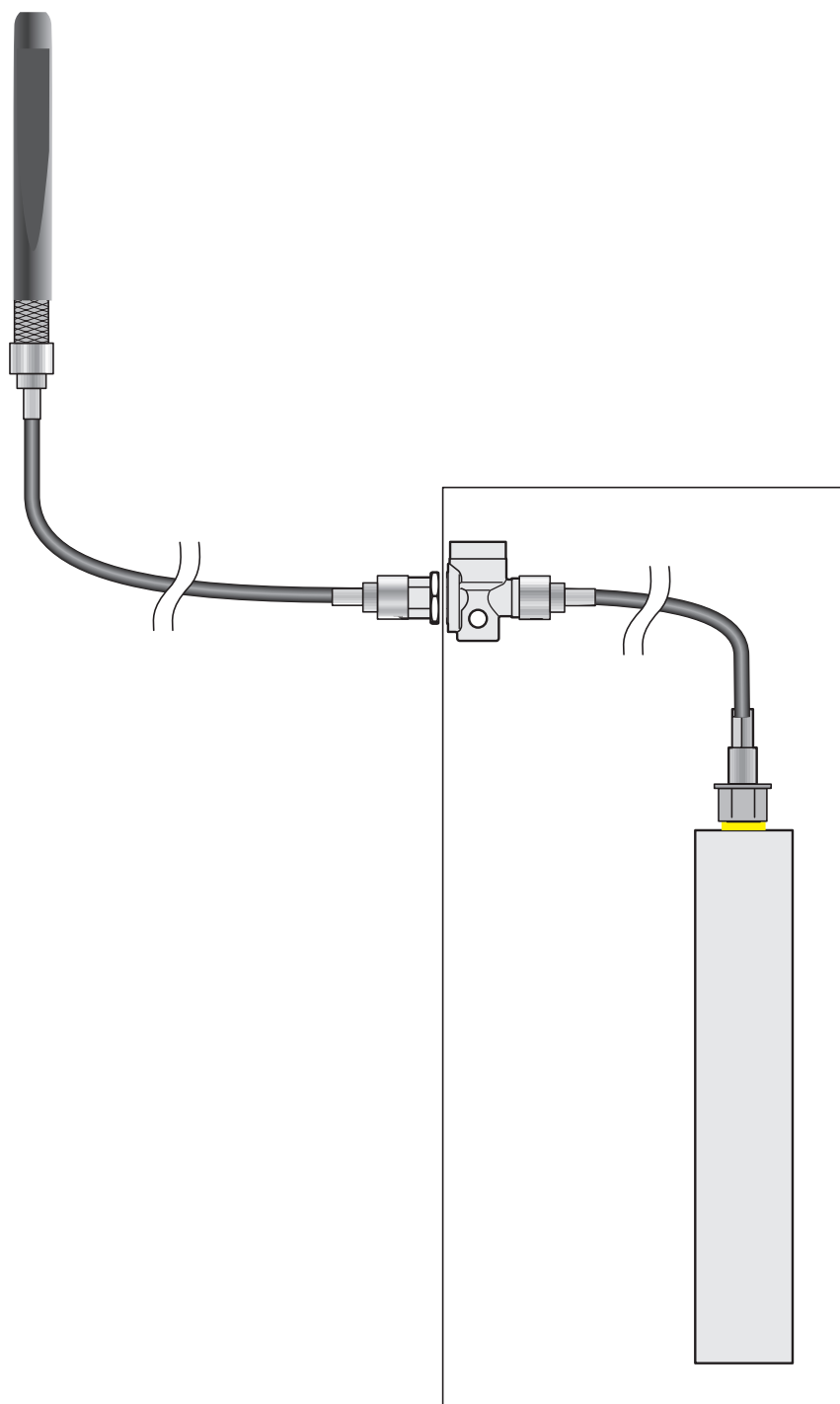
Panel mounting

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Schematic diagram



Installation example

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Environmental product compliance

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.
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EU REACH SVHC

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