

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



2701362

<https://www.phoenixcontact.com/us/products/2701362>

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Omnidirectional antenna for panel mounting, frequency band: 2.4 GHz, gain: 2 dBi, degree of protection: IP65, connection: RSMA (male), incl. 1.5 m connecting cable, mounting bracket, and mounting material

Your advantages

- Ideally suited for freely mobile or stationary 2.4 GHz applications
- Including 1.5 m connecting cable

Commercial data

Item number	2701362
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN23
Product key	DNN2Z1
GTIN	4046356743471
Weight per piece (including packing)	91 g
Weight per piece (excluding packing)	70 g
Customs tariff number	85177100
Country of origin	TW

Technical data

Notes

Note on application

Note on application	Only for industrial use
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Product properties

Product type	Antenna
Radiation characteristics	Omnidirectional
Gain	2 dBi
Vertical beamwidth	75 °
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	1.00 W
Voltage standing wave ratio VSWR in a 50 Ω system	≤ 2.00

Connection data

Connection technology

Connection method	RSMA (male)
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Dimensions

Height	82.5 mm
Diameter	7.8 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

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Ambient conditions

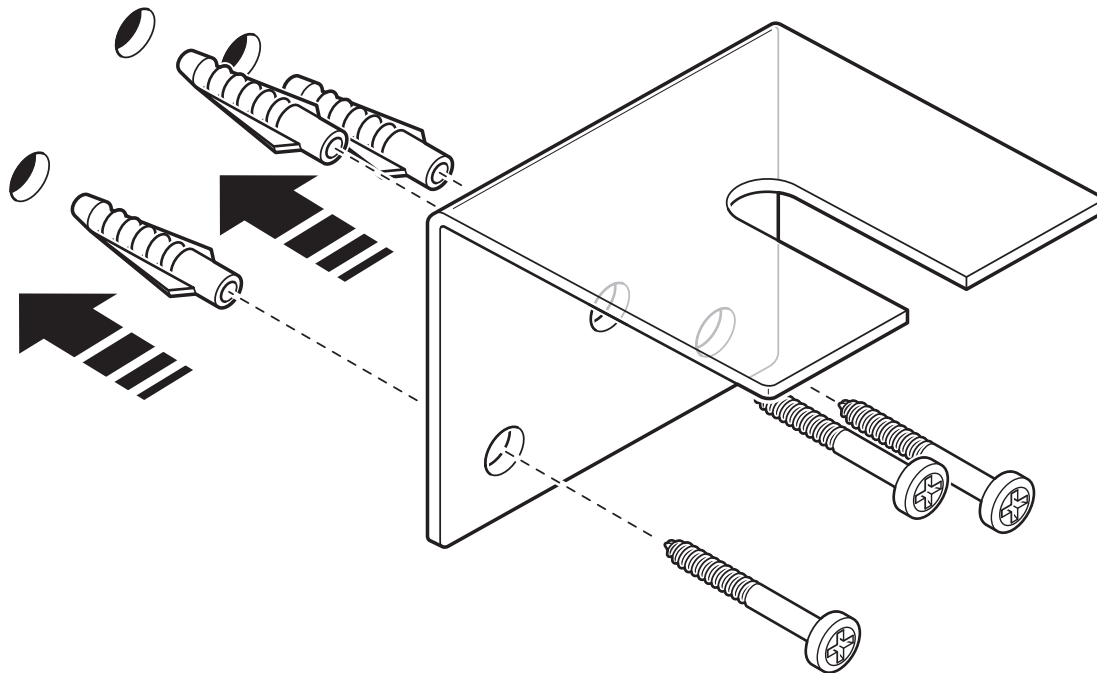
Degree of protection	IP65
Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-30 °C ... 75 °C

Mounting

Mounting type	Panel mounting
Assembly note	Outdoors and indoors

Drawings

Schematic diagram



Panel mounting

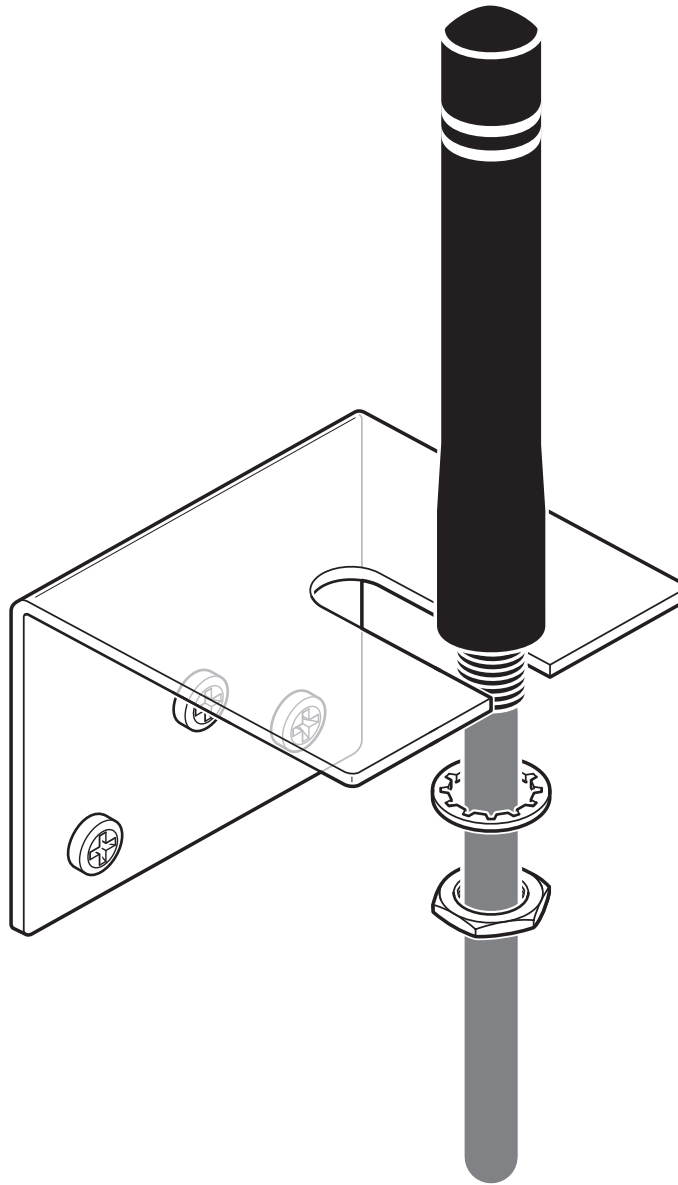
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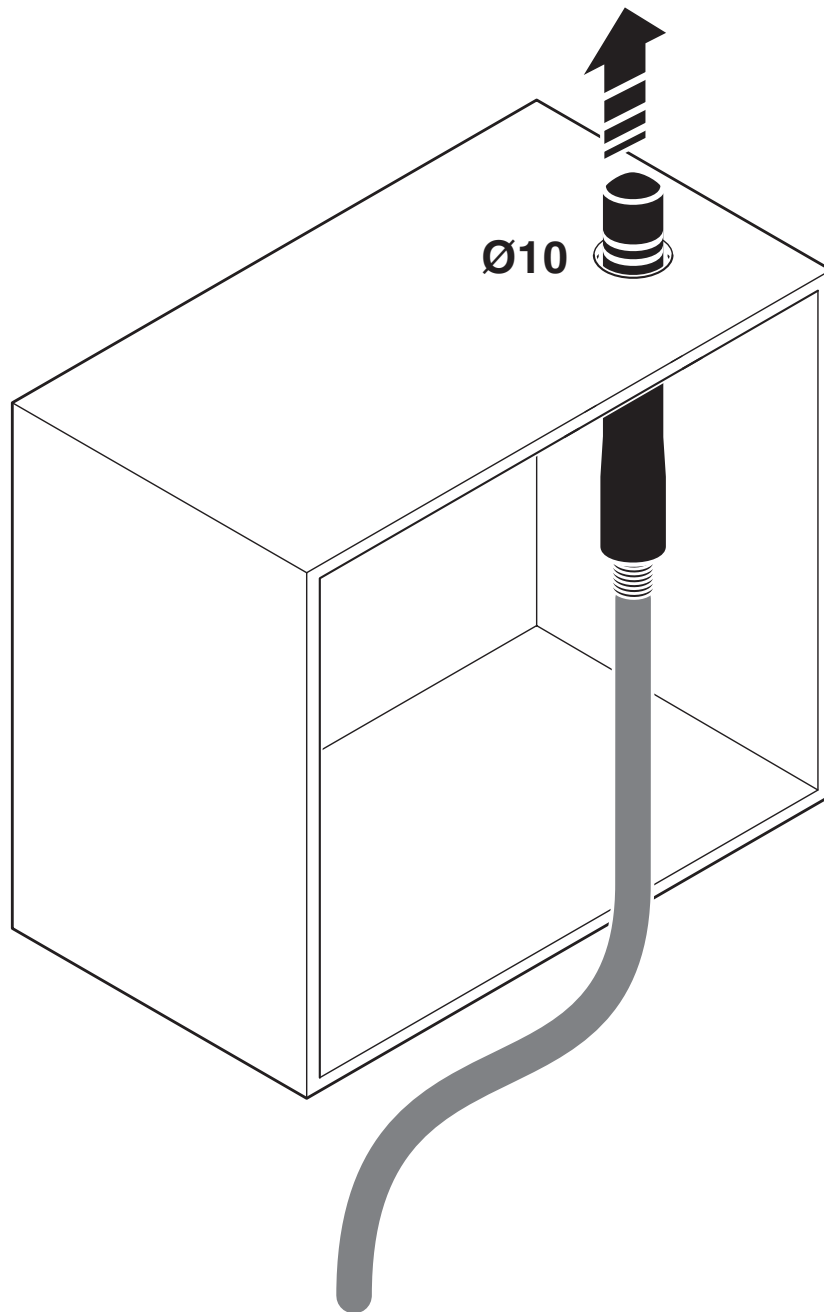
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Schematic diagram



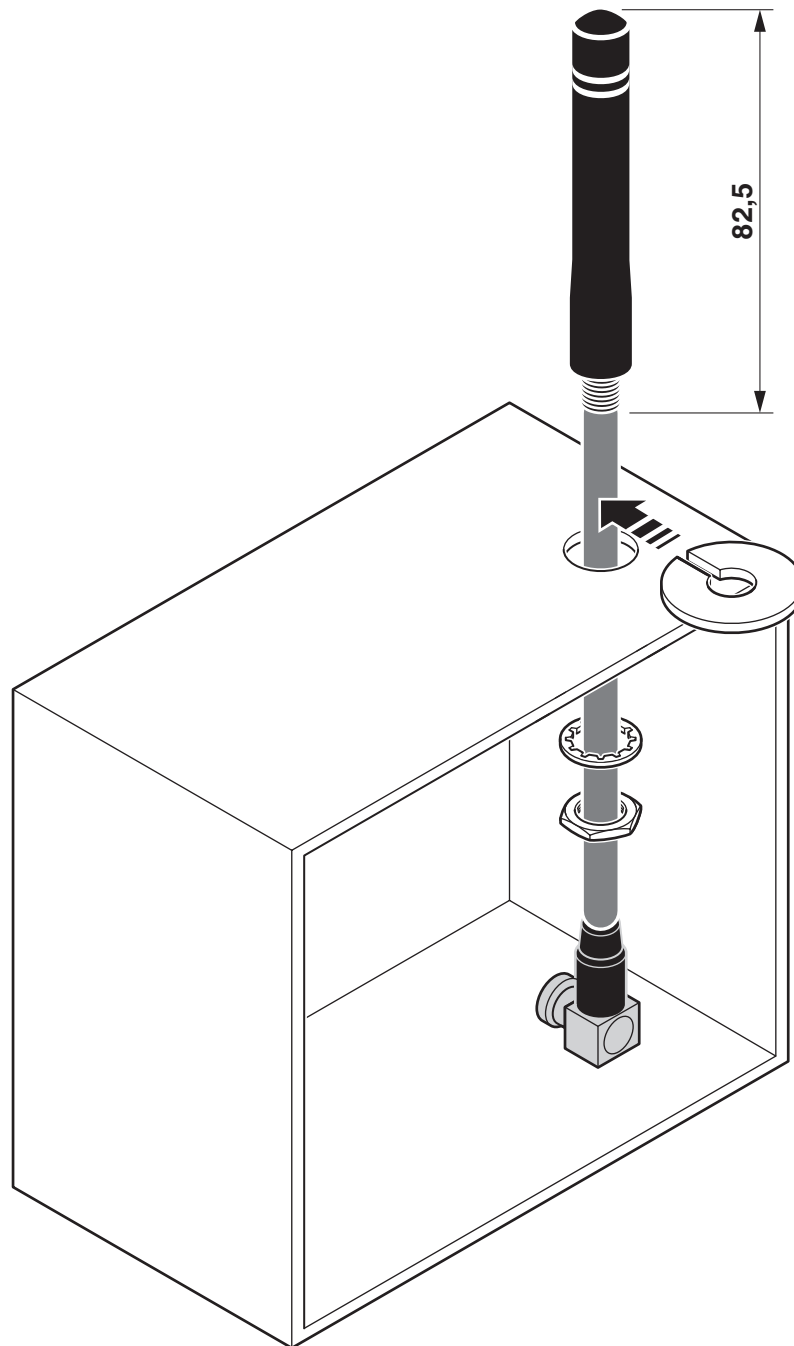
Panel mounting

Schematic diagram



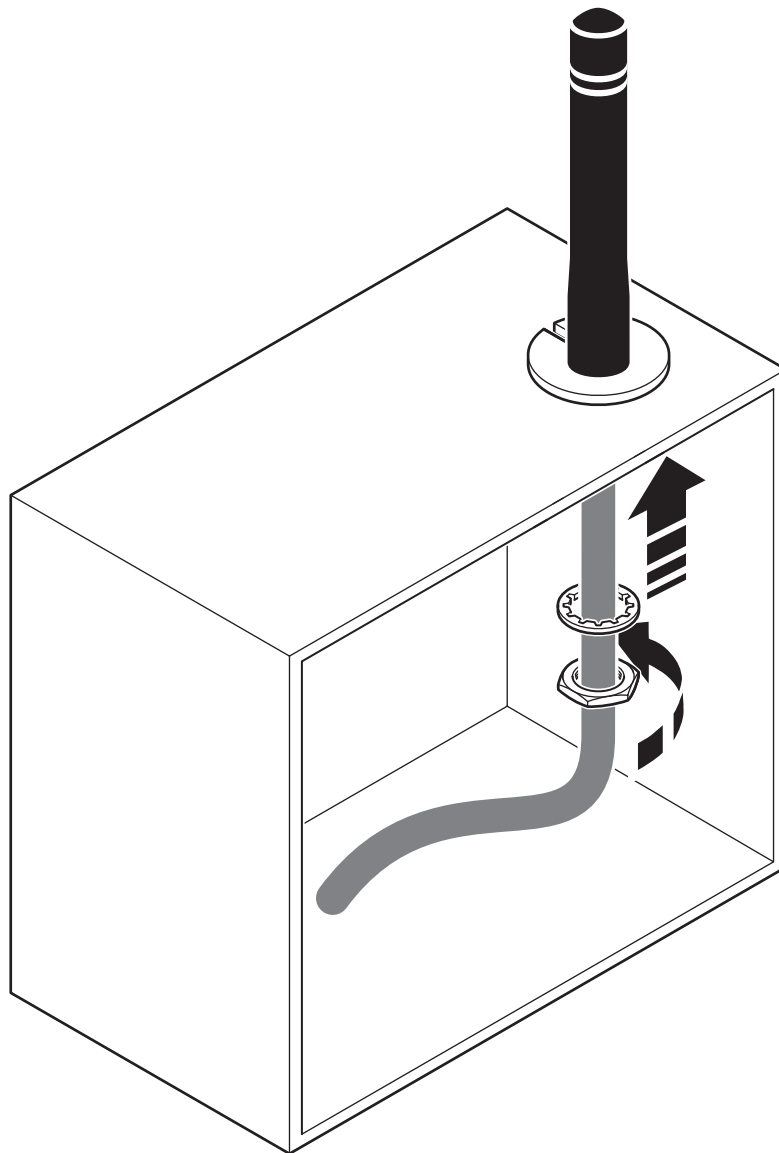
Control cabinet feed-through

Schematic diagram



Mounting on the control cabinet

Schematic diagram

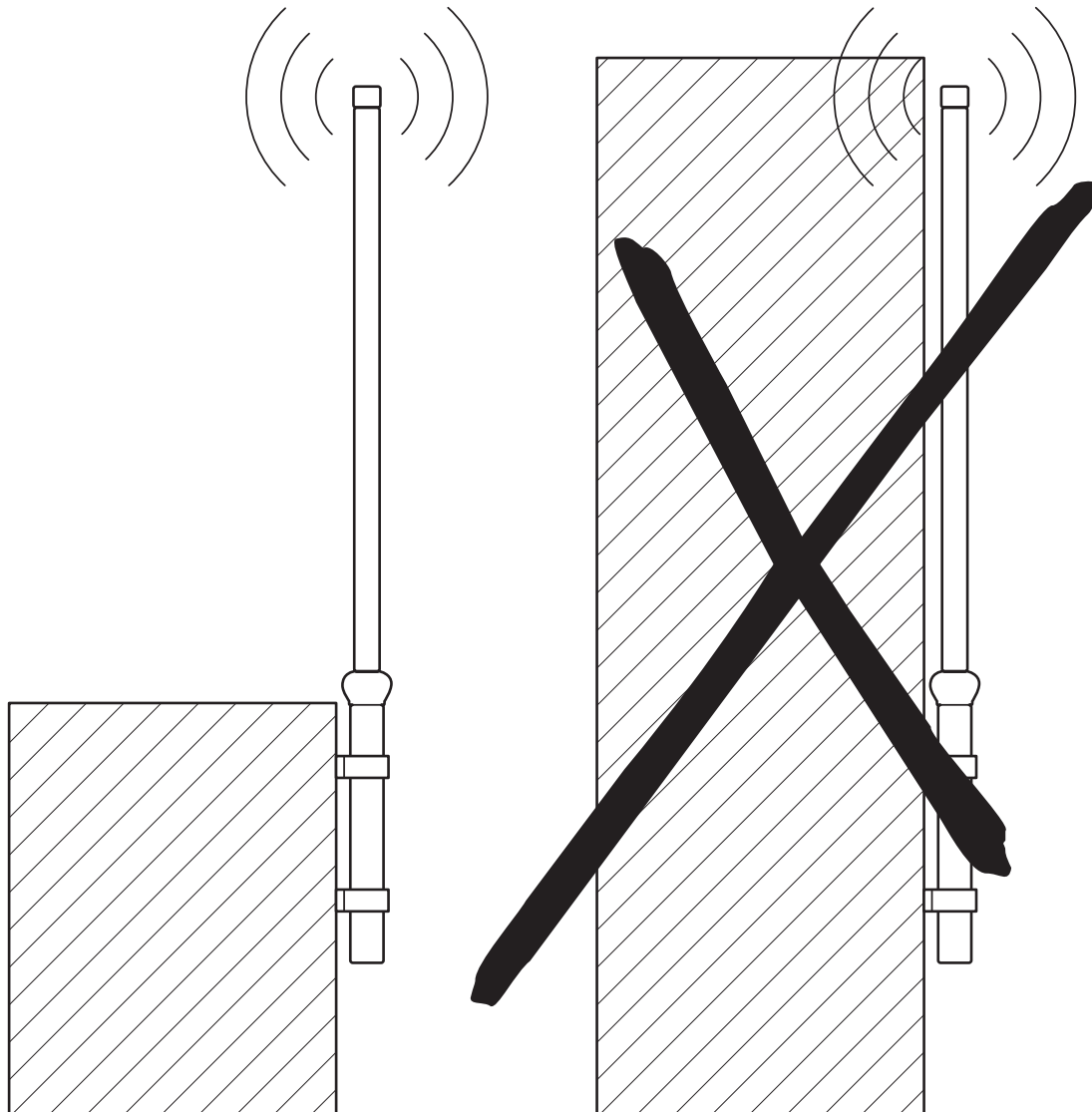


Mounting on the control cabinet

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Schematic diagram



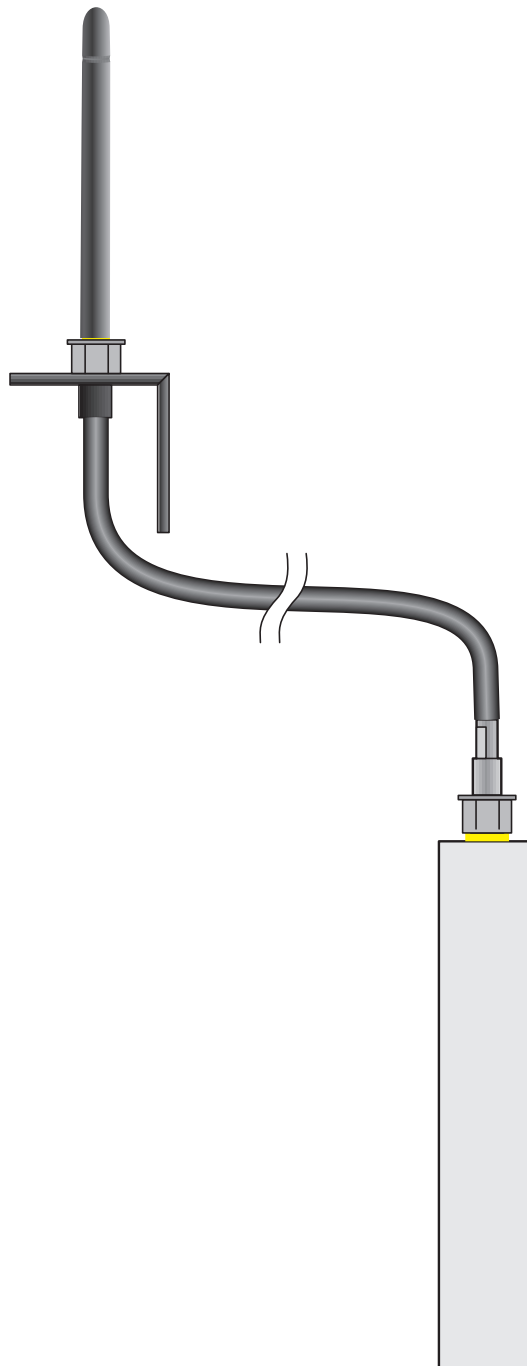
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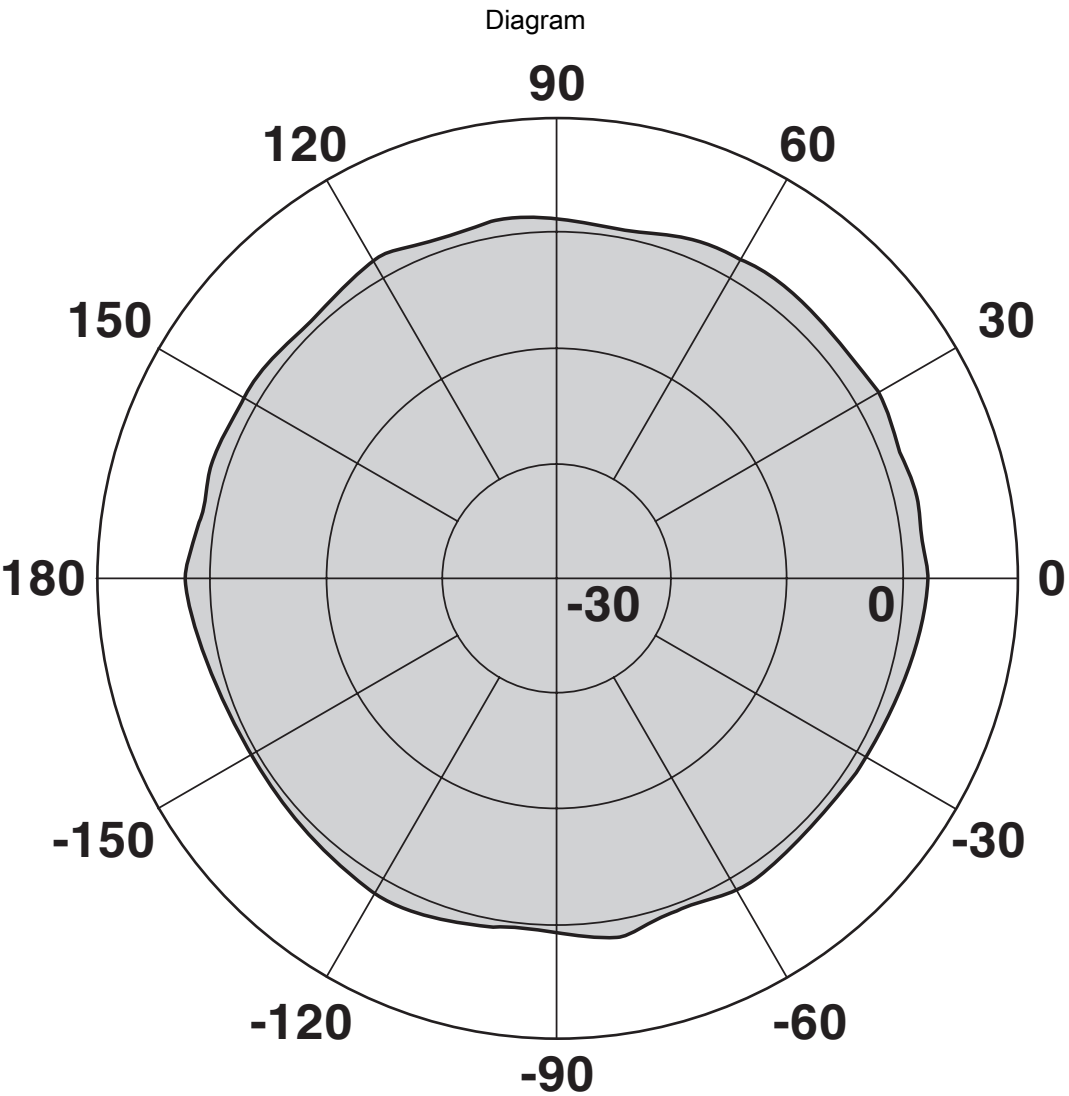
Schematic diagram



Installation example

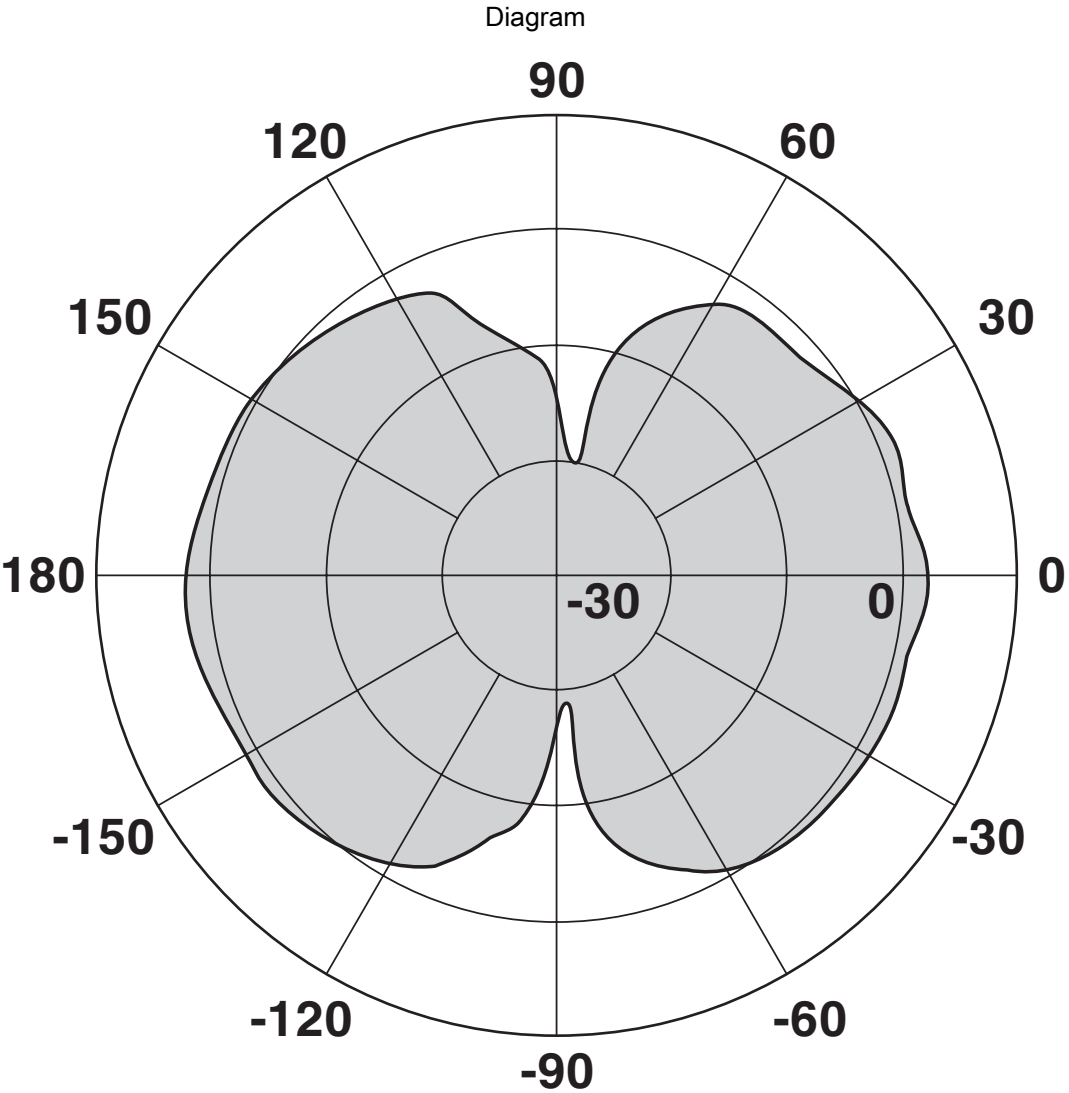
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Vertical

Classifications

ECLASS

ECLASS-13.0	19070105
ECLASS-15.0	19070105

ETIM

ETIM 9.0	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	2dd8bac9-1de0-467b-b35e-76e19d7c0951