

RAD-ISM-2400-ANT-VAN-3-0-RSMA - Antenna



2701358
<https://www.phoenixcontact.com/us/products/2701358>

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Omnidirectional antenna with protection against vandalism for control cabinet mounting, frequency band: 2.4 GHz, gain: 3 dBi, degree of protection: IP55, shockproof: IK08, connection: RSMA (male), incl. 1.5 m connecting cable

Your advantages

- Ideally suited for freely mobile or stationary 2.4 GHz applications
- Impact-resistant housing (IK08)
- Including 1.5 m connecting cable

Commercial data

Item number	2701358
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN23
Product key	DNN2Z1
GTIN	4046356741750
Weight per piece (including packing)	174.5 g
Weight per piece (excluding packing)	172 g
Customs tariff number	85177100
Country of origin	PL

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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	3 dBi
Vertical beamwidth	85 °
Horizontal beamwidth	360 °
Polarization	Linear vertical

Electrical properties

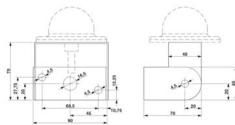
Frequency band	2.4 GHz
Frequency range	2.4 GHz ... 2.5 GHz
Impedance	50 Ω
Maximum capacity	75.00 W
Voltage standing wave ratio VSWR in a 50 Ω system	≤ 1.50

Connection data

Connection technology

Connection method	RSMA (male)
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Dimensions

Dimensional drawing	
Height	43 mm
Diameter	86 mm

Material specifications

Color	gray white (RAL 9002)
Material	ASA
	Aluminum
Flammability rating according to UL 94	V0
Outer sheath, material	RADOX®(LSFH)

Cable/line

Cable length	1.50 m
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Connecting cable	yes
External cable diameter	3.20 mm
Outer sheath, material	RADOX®(LSFH)
Smallest bending radius, fixed installation	5 mm

Environmental and real-life conditions

Ambient conditions

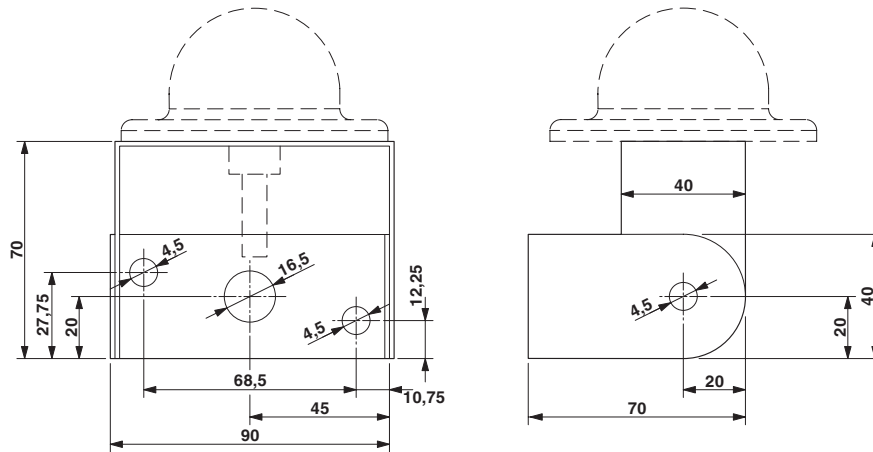
Degree of protection	IP55
Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Wind velocity	12.34568 km/h (Has a force of 10 N)

Mounting

Mounting type	Control cabinet mounting
	Panel mounting
Assembly note	Optional panel mounting
	Outdoors and indoors

Drawings

Dimensional drawing



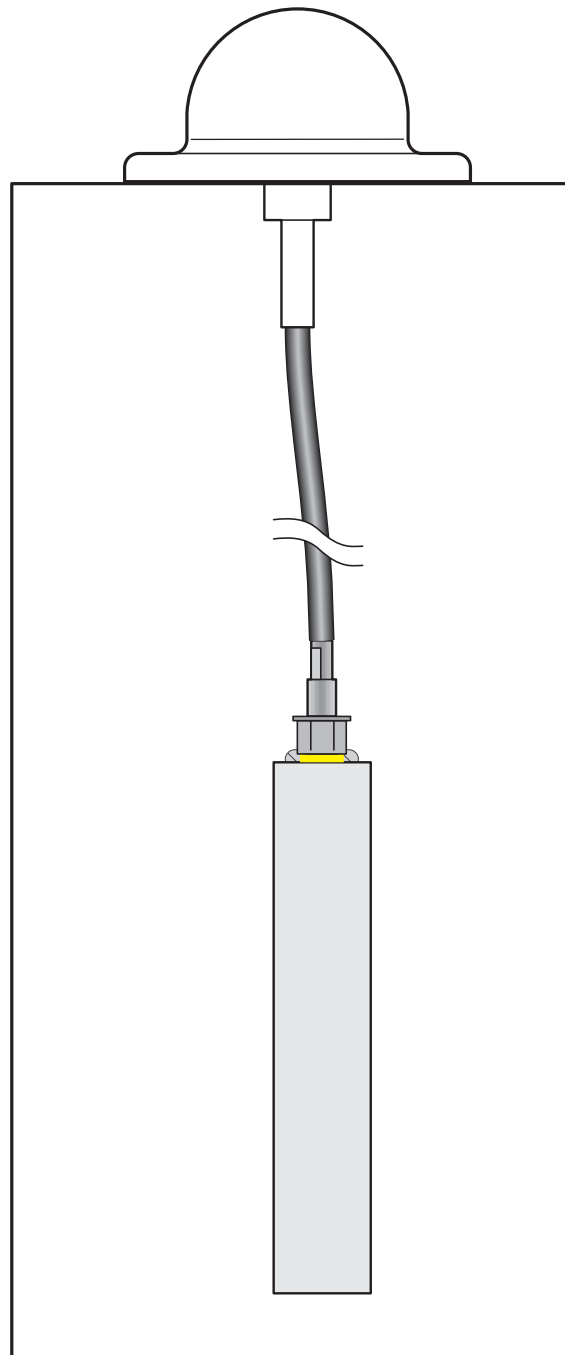
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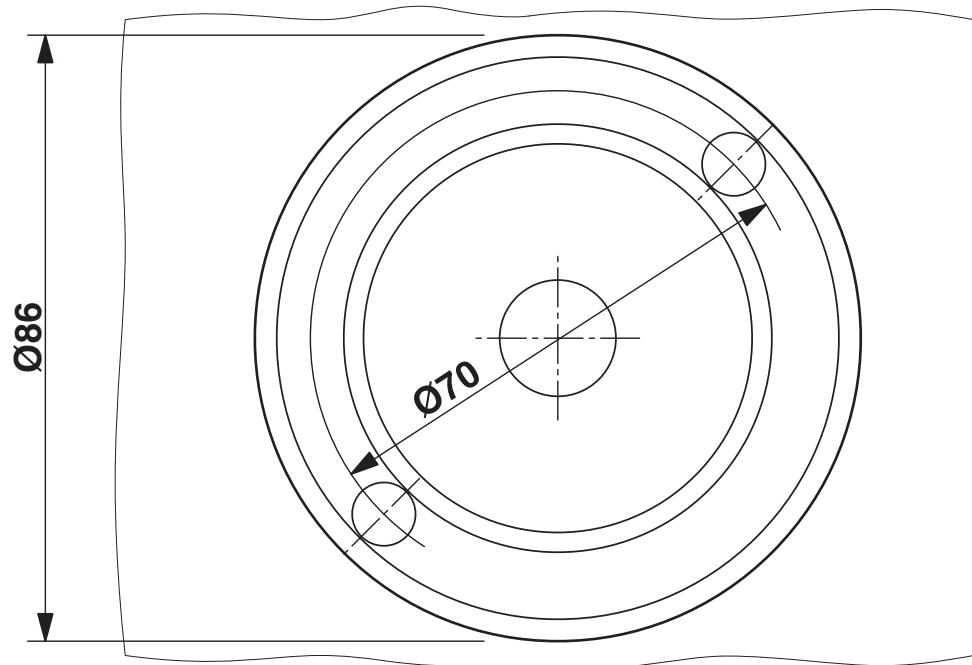


Schematic diagram



Installation example

Drilling plan/solder pad geometry



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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	0f7ecaaa-0daa-4cfe-8a11-c986ba41a396

EF3.1 Climate Change

CO2e kg	9.717 kg CO2e
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