

# RAD-ISM-2400-ANT-VAN- 3-1-MCX - Antenna



2885702

<https://www.phoenixcontact.com/us/products/2885702>

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Omnidirectional antenna with protection against vandalism, 2.4 GHz, gain: 3 dBi, polarization: linear, opening angle: h/v 360°/85°, degree of protection: IP55, connection: MCX (male), for control cabinet mounting (optional panel mounting), incl. 1.5 m / 5 ft. connecting cable

## Your advantages

- Impact-resistant housing
- For freely mobile applications
- For multipoint or mesh connections

## Commercial data

Item number	2885702
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN23
Product key	DNN2Z1
GTIN	4046356096676
Weight per piece (including packing)	172.8 g
Weight per piece (excluding packing)	172.8 g
Customs tariff number	85177000
Country of origin	PL

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## Technical data

### Product properties

Product type	Antenna
Gain	3 dBi
Vertical beamwidth	85 °
Horizontal beamwidth	360 °
Polarization	Linear vertical

### Electrical properties

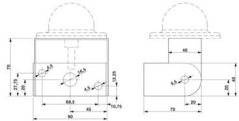
Frequency band	2.4 GHz
Frequency range	2.4 GHz
Impedance	50 Ω
Voltage standing wave ratio VSWR in a 50 Ω system	≤ 1.50

### Connection data

#### Connection technology

Connection method	MCX (male)
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### Dimensions

Dimensional drawing	
Width	86 mm
Height	43 mm

### Material specifications

Material	ASA
Outer sheath, material	RADOX®(LSFH)

### Cable/line

Cable length	1.50 m
Connecting cable	yes
External cable diameter	3.20 mm
Outer sheath, material	RADOX®(LSFH)
Smallest bending radius, fixed installation	12.5 mm

### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP55
Ambient temperature (operation)	-40 °C ... 80 °C

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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
Assembly note	Optional panel mounting

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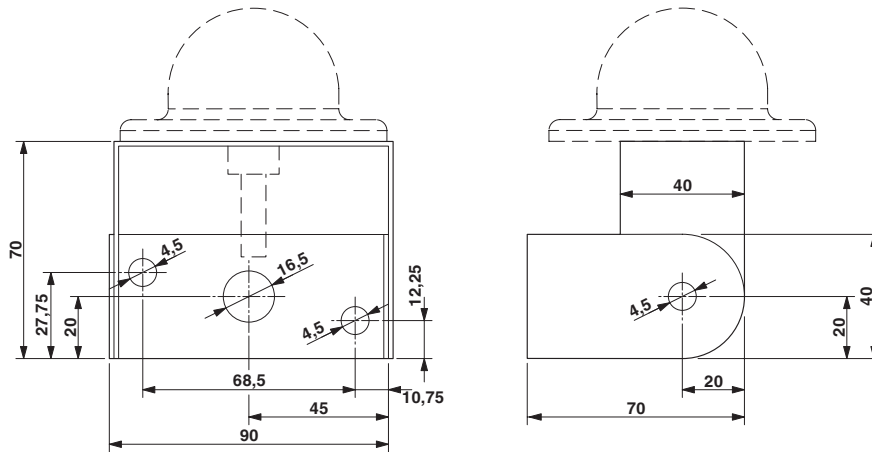


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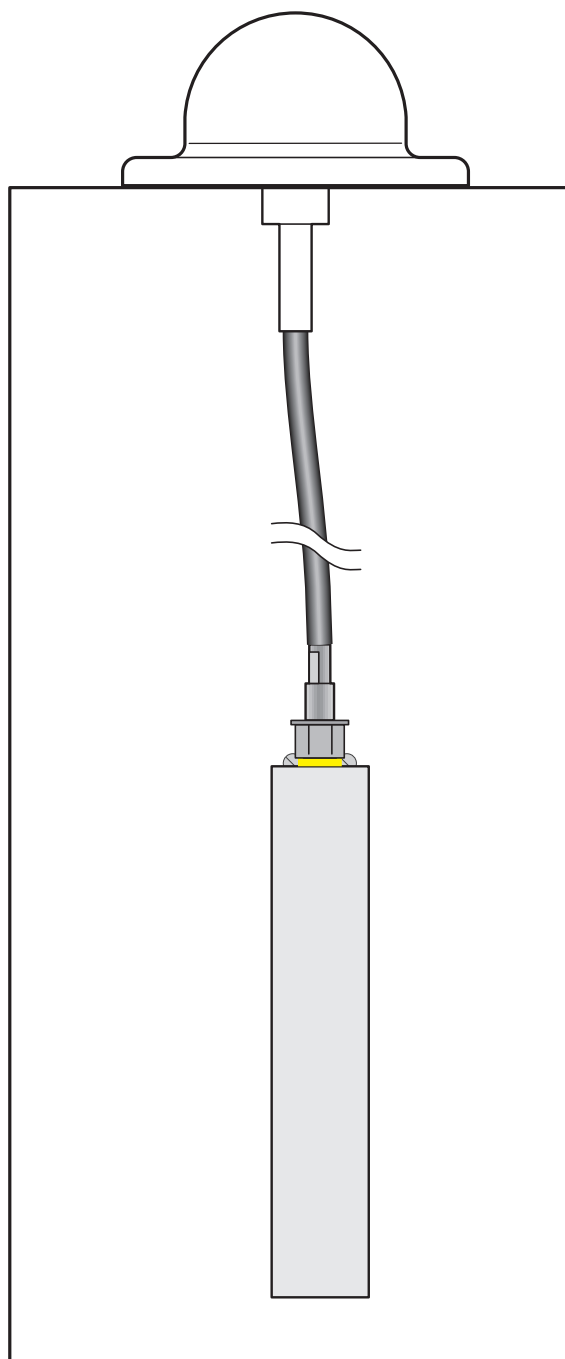
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## Drawings

Dimensional drawing



Schematic diagram



Installation example

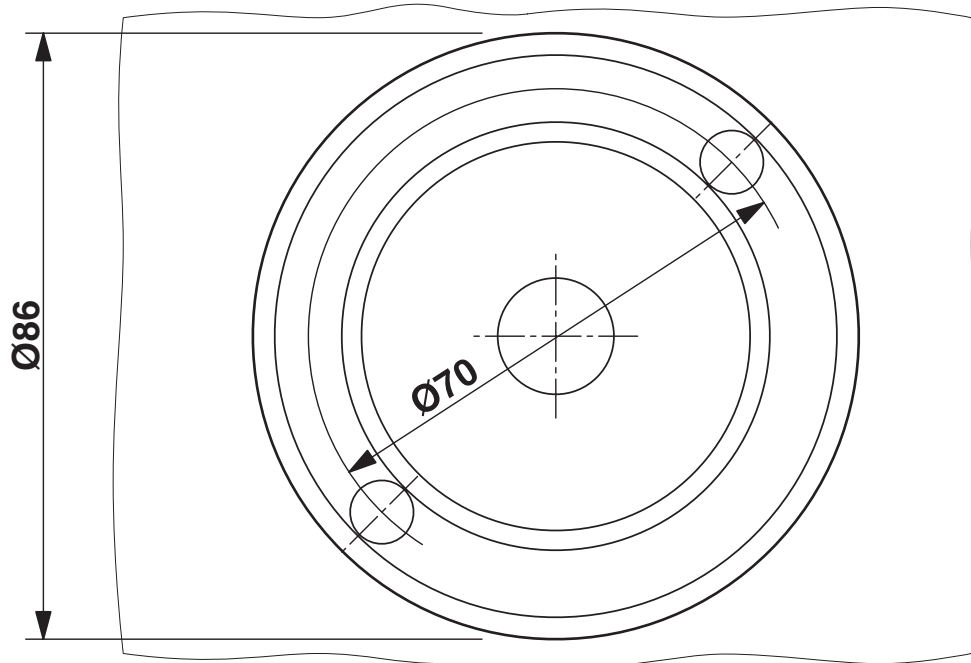
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Drilling plan/solder pad geometry



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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.)	No substance above 0.1 wt%
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