

# ANT-DIR-5900-01 - Antenna



2701348

<https://www.phoenixcontact.com/us/products/2701348>

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Directional antenna, 5 GHz, gain: 9 dBi, polarization:  $\pm 45^\circ$  dual-slant, opening angle: h/v  $70^\circ/60^\circ$ , degree of protection: IP67, seawater-resistant, connection: 2 x N (female), incl. mounting bracket and mast clips



## Your advantages

- Salt water resistant
- For large distances
- For stationary or linear mobile applications
- For point-to-point connections

## Commercial data

Item number	2701348
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN23
Product key	DNN2Z1
GTIN	4046356739405
Weight per piece (including packing)	464.3 g
Weight per piece (excluding packing)	464.3 g
Customs tariff number	85177100
Country of origin	PL

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## Technical data

### Product properties

Product type	Antenna
Gain	9 dBi
Vertical beamwidth	60 ° (at 5 GHz)
Horizontal beamwidth	70 ° (at 5 GHz)
Polarization	Linear vertical

### Electrical properties

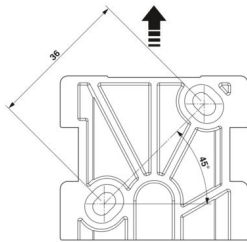
Frequency band	5 GHz
Frequency range	5.15 GHz ... 5.875 GHz
Impedance	50 Ω
Voltage standing wave ratio VSWR in a 50 Ω system	≤ 1.50

### Connection data

#### Connection technology

Connection method	N (female)
Outside diameter	25 mm ... 85 mm (Mast)

### Dimensions

Dimensional drawing	
Width	80 mm
Height	101 mm
Length	35 mm

#### External dimensions

Outside diameter	25 mm ... 85 mm (Mast)
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### Material specifications

Material	Lexan EXL 9330
	V2A
	V2A

### Cable/line

Connecting cable	no
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## Environmental and real-life conditions

### Ambient conditions

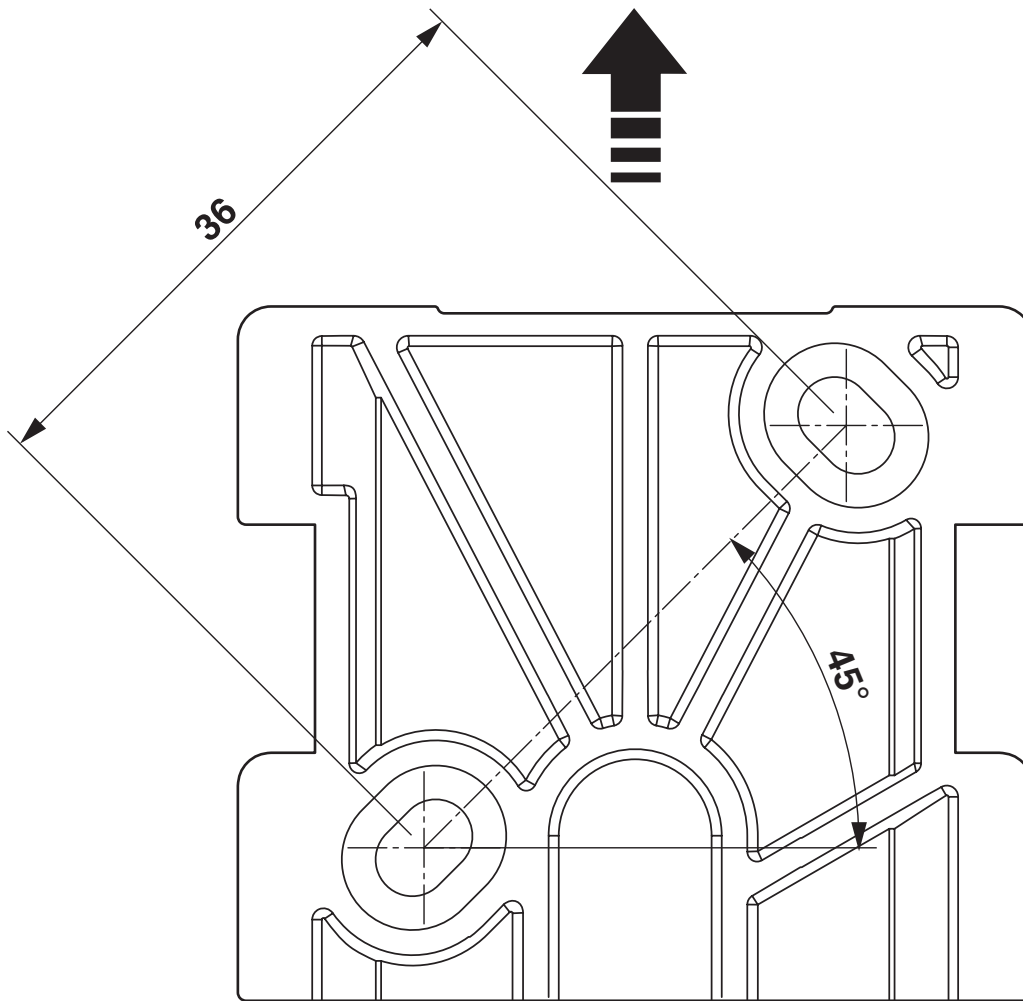
Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C

## Mounting

Mounting type	Panel mounting
	Mast mounting

Drawings

Dimensional drawing



Mounting panel

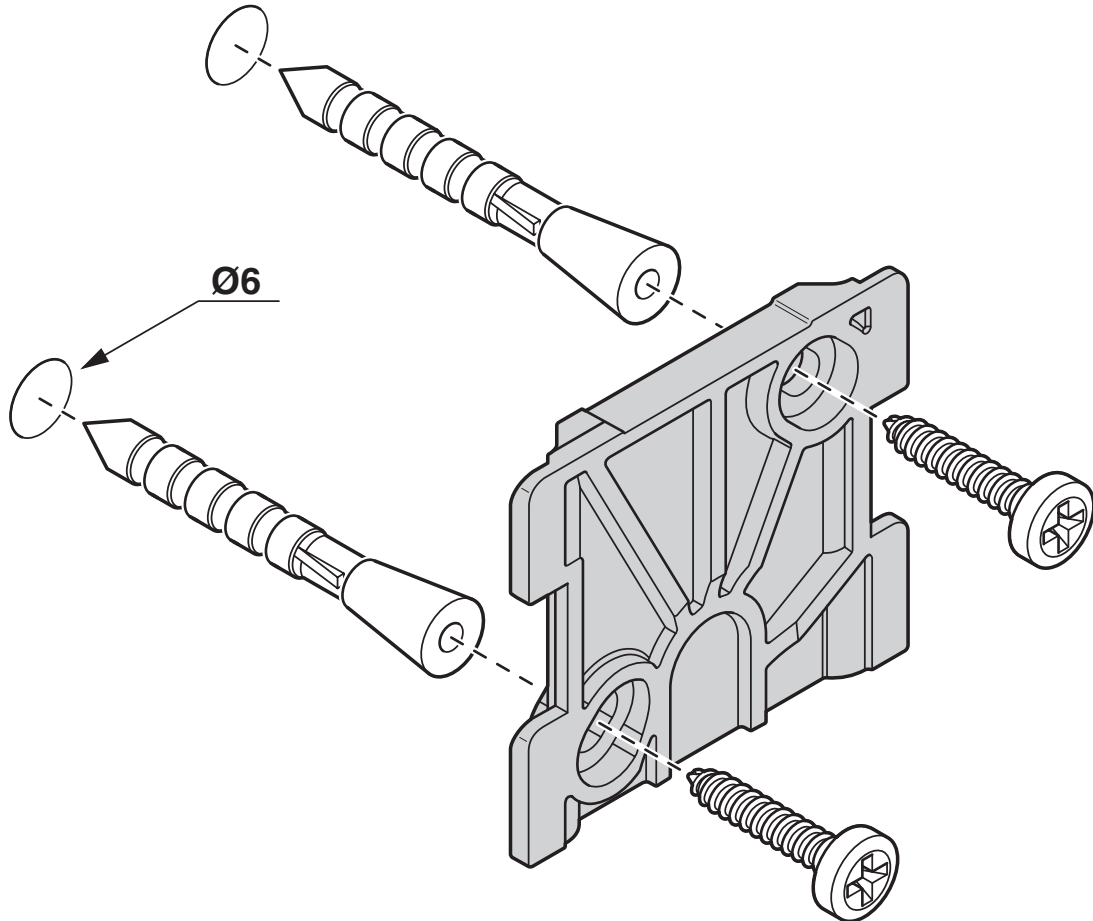
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Schematic diagram



Mounting panel

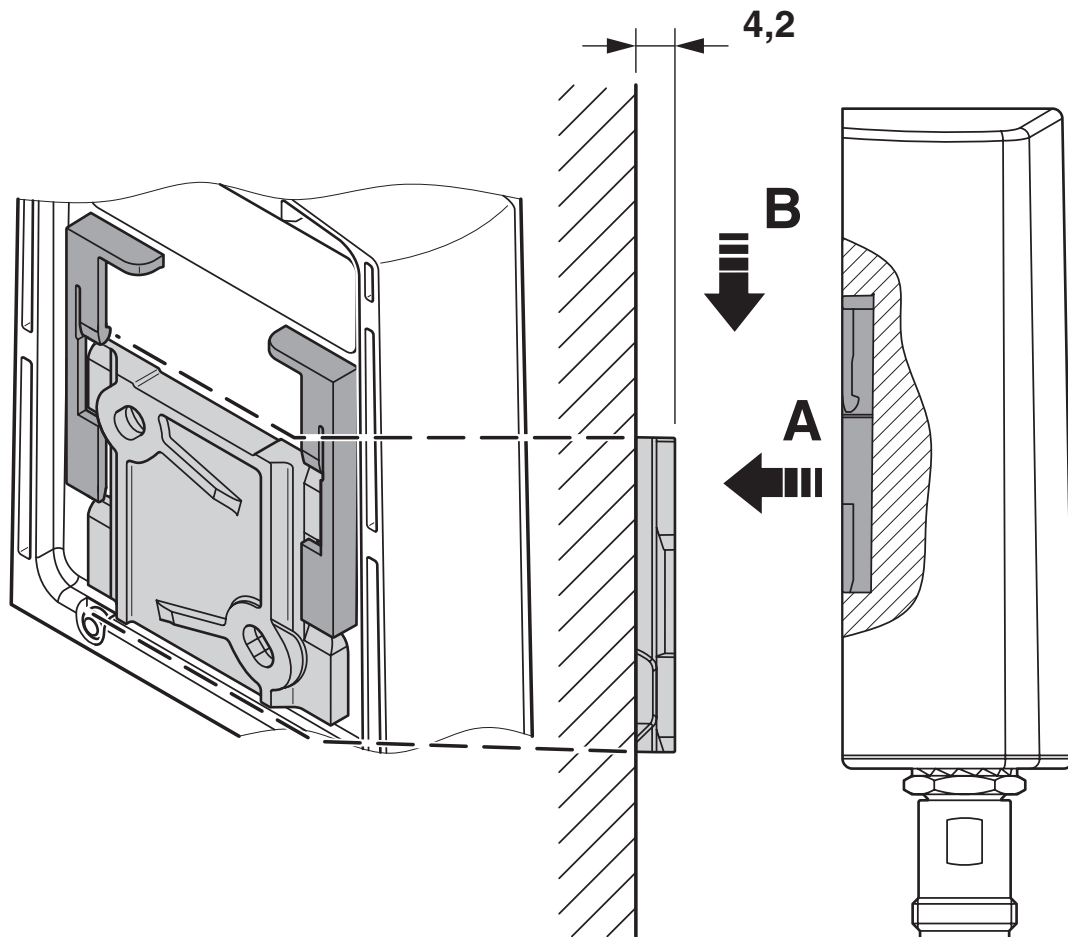
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Schematic diagram



Panel mounting

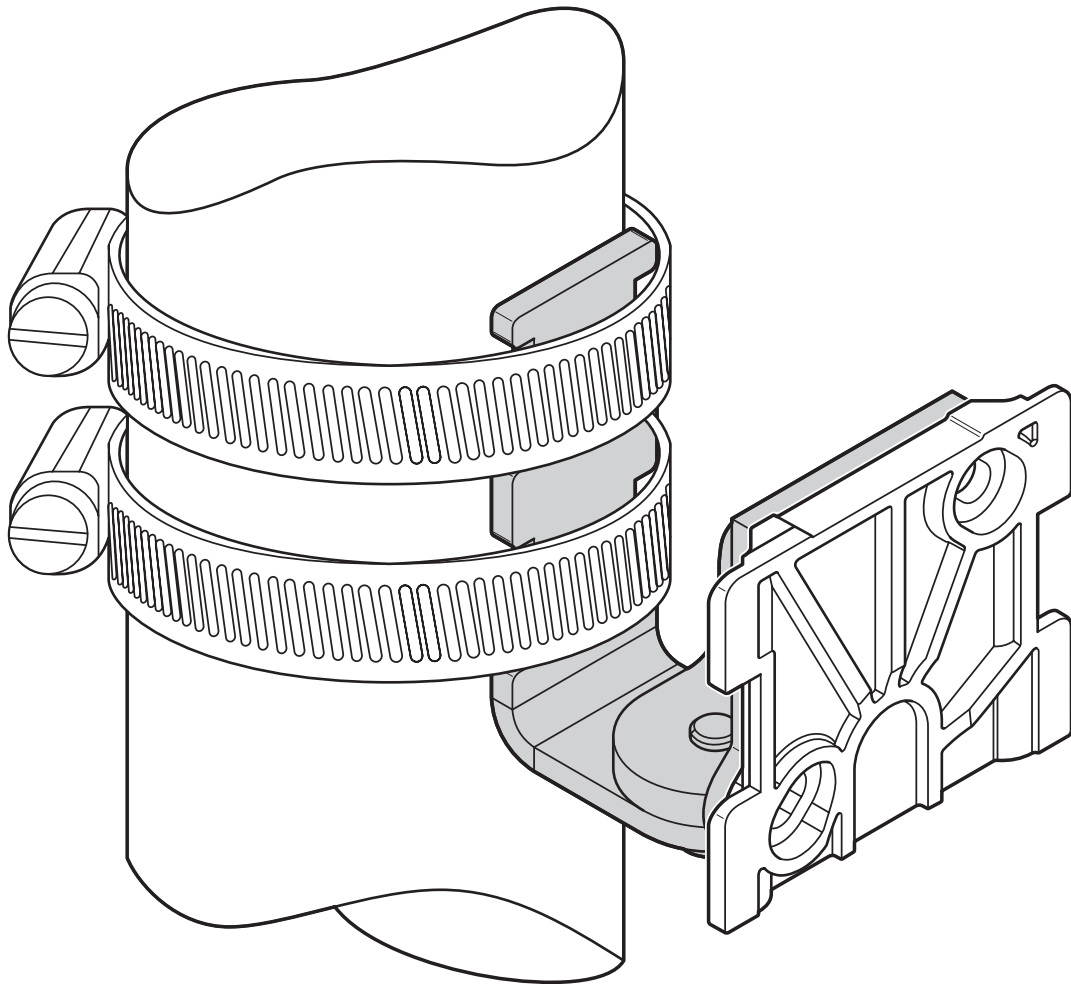
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Schematic diagram



Mast mounting

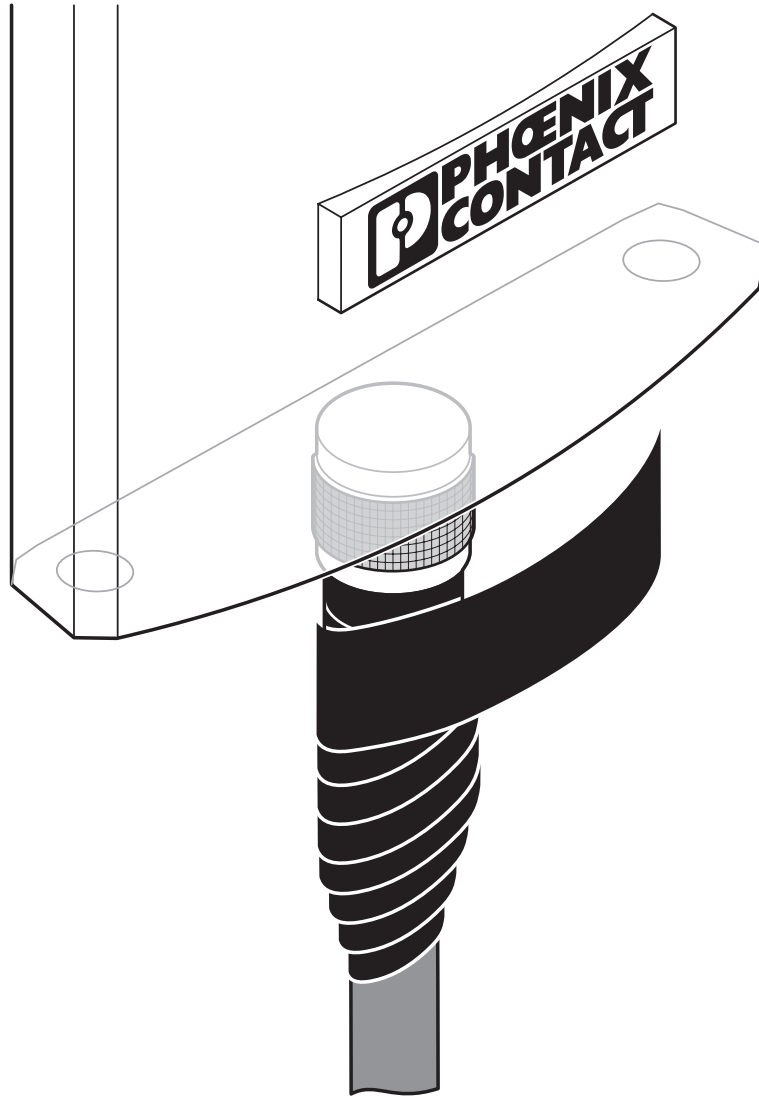
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Schematic diagram



Sealing tape available as an accessory

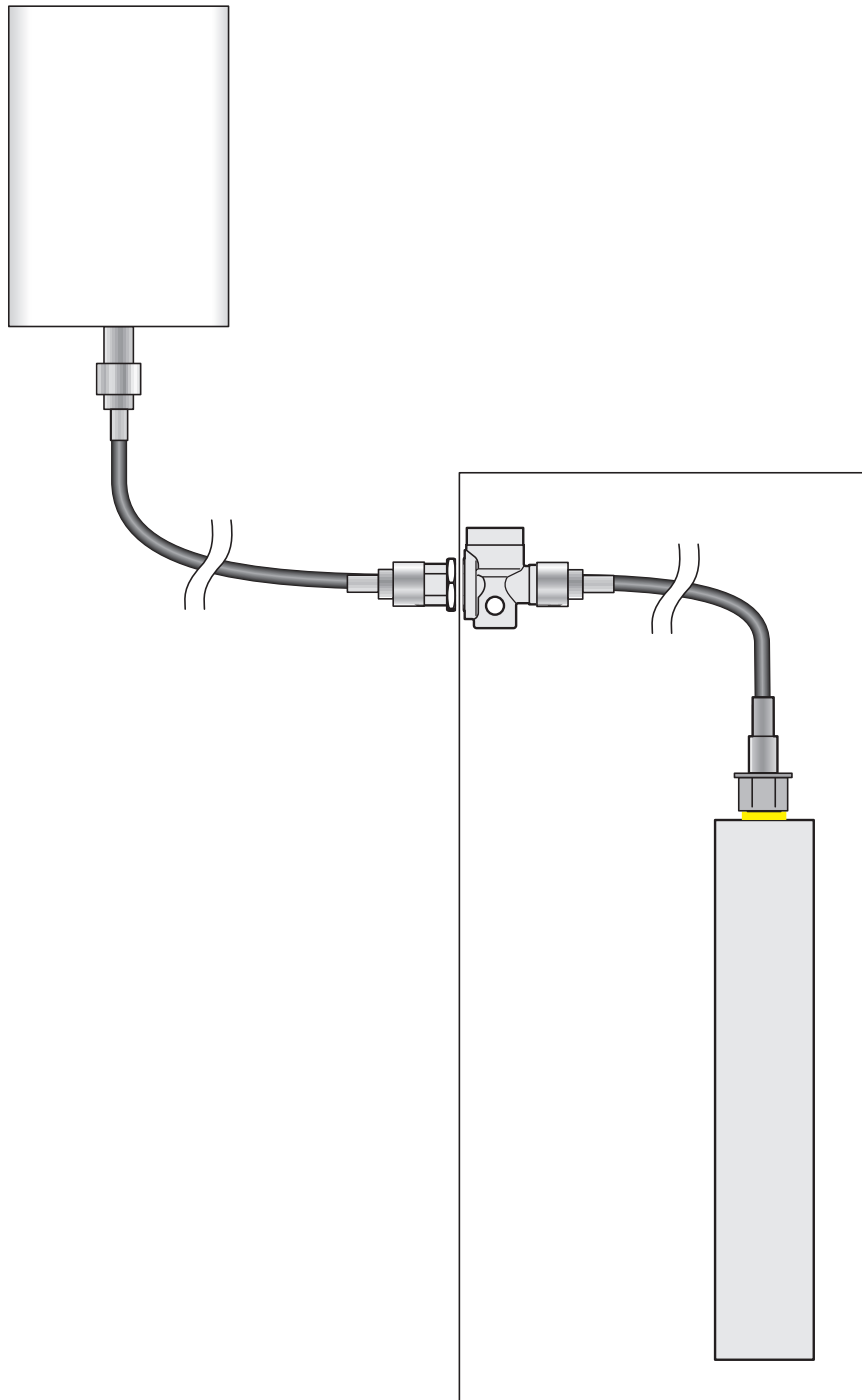
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Schematic diagram



Installation example

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## Classifications

### UNSPSC

UNSPSC 21.0	43221715
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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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