

# ANT-OMNI-5900-01 - Antenna



2701347

<https://www.phoenixcontact.com/in/products/2701347>

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Omnidirectional antenna for wall or mast mounting, 5 GHz, gain: 5 dBi, degree of protection: IP64, saltwater-resistant, shock- and vibration-resistant, connection: N (female), incl. mounting bracket and mast clamps



## Your advantages

- Ideally suited for stationary 5 GHz applications
- Resistant to salt water

## Commercial Data

Item number	2701347
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	DNN
Product Key	DNN2Z1
Catalog Page	Page 389 (C-6-2019)
GTIN	4046356739399
Weight per Piece (including packing)	270.9 g
Weight per Piece (excluding packing)	270 g
Customs tariff number	85177100
Country of origin	PL

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## Technical Data

### Product properties

Product type	Antenna
Radiation characteristics	Omnidirectional
Gain	5 dBi
Vertical beamwidth	25 °
Horizontal beamwidth	360 °
Polarization	Linear vertical

### Electrical properties

Frequency band	5 GHz
Frequency range	5.15 GHz ... 5.83 GHz
Impedance	50 Ω
Maximum capacity	6.00 W

### Connection data

#### Connection technology

Connection method	N (female)
Outside diameter	25 mm ... 100 mm (Mast)

### Dimensions

Height	130 mm
Diameter	16 mm

#### External dimensions

Outside diameter	25 mm ... 100 mm (Mast)
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### Material specifications

Material	Fiberglass-reinforced plastic
	V2A
	V2A
Flammability rating according to UL 94	HB

### Cable/line

Connecting cable	No
Other resistance	salt water resistant

### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP64
Ambient temperature (operation)	-45 °C ... 70 °C
Ambient temperature (storage/transport)	-45 °C ... 70 °C

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Wind velocity	220 km/h
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## Approvals

### Electronic devices in rail vehicles

Shock (operation)	IEC 60721-3-4, 4M5
Vibration (operation)	IEC 60721-3-4, 4M5 Random

## Standards and regulations

Other resistance	salt water resistant
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## Mounting

Mounting type	Wall mounting
	Mast mounting
Assembly instructions	Outdoors and indoors
Connection method	N (female)

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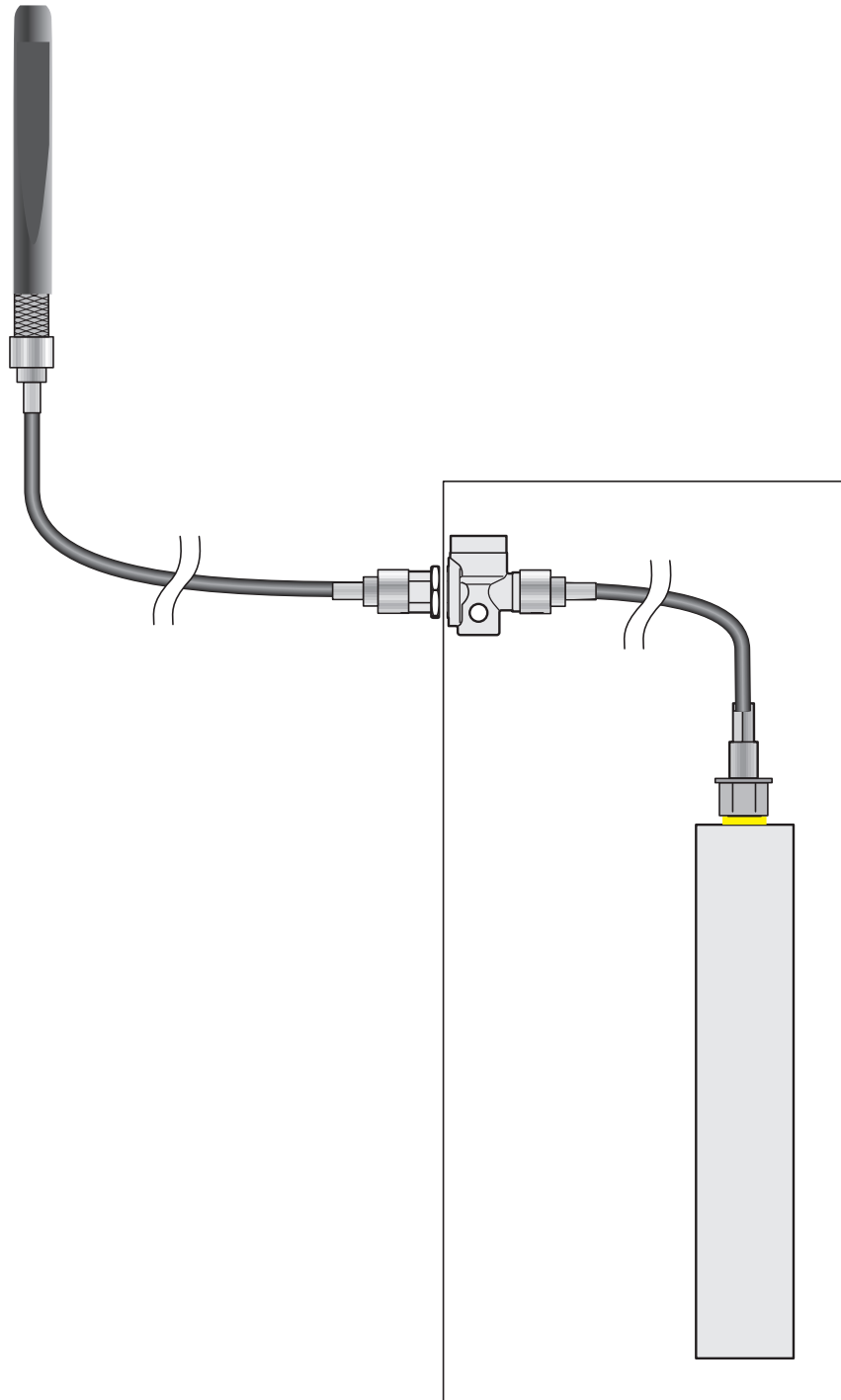
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## Drawings

Schematic diagram



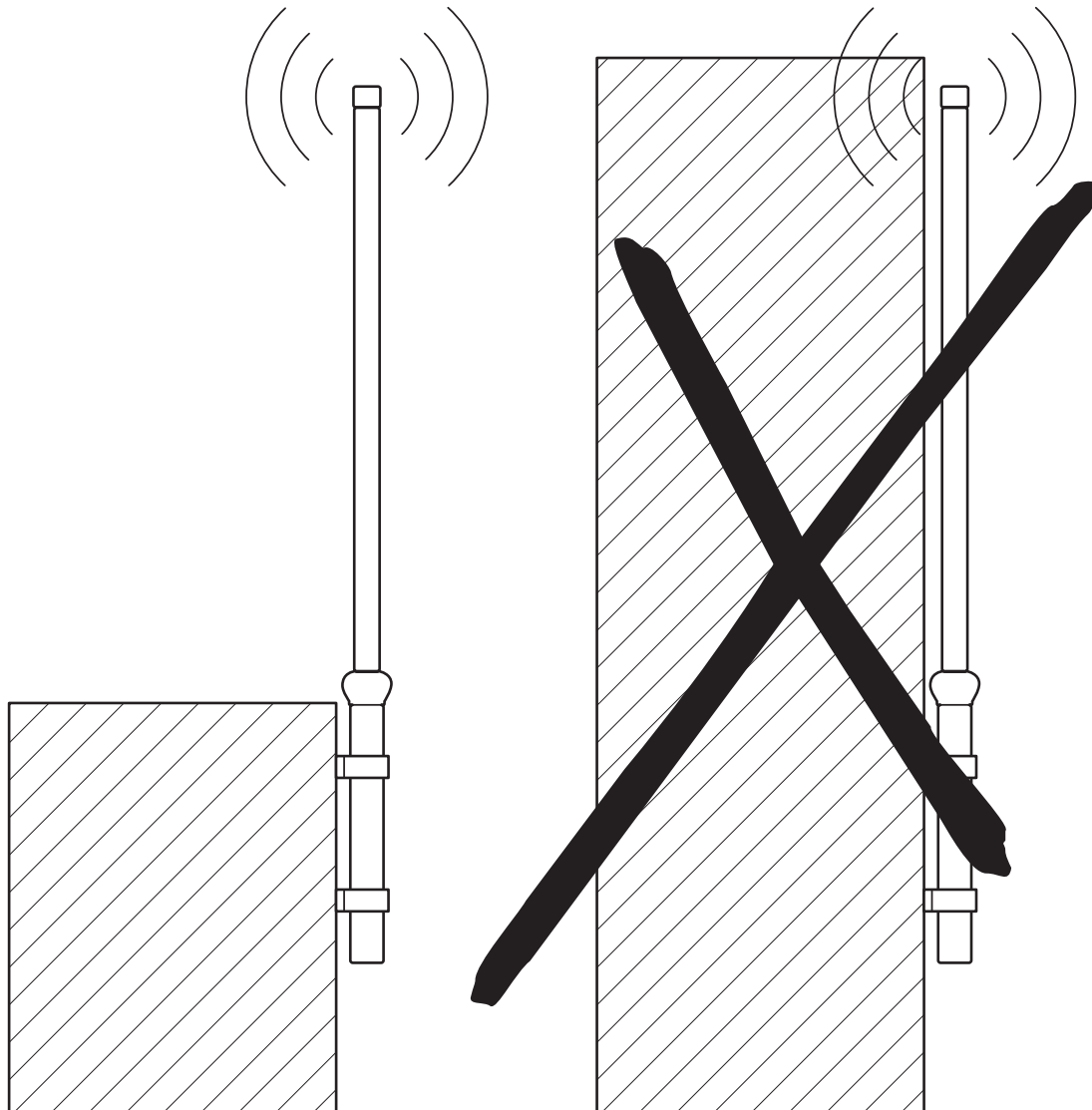
Installation example

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Schematic diagram



Mounting

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## Classifications

### ECLASS

ECLASS-11.0	19070105
ECLASS-12.0	19070105
ECLASS-13.0	19070105

### ETIM

ETIM 8.0	EC001698
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### UNSPSC

UNSPSC 21.0	43223100
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## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 25; For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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