

# ANT-OMNI-2459-02 - Antenna



2701408

<https://www.phoenixcontact.com/us/products/2701408>

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Omnidirectional antenna for control cabinet mounting, frequency band: 2.4 GHz / 5 GHz, gain: 2.5 dBi / 5 dBi, degree of protection: IP68, connection: N (male)

## Your advantages

- Ideally suited for freely mobile or stationary applications with 2.4 GHz or 5 GHz

## Commercial data

Item number	2701408
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN23
Product key	DNN2Z1
GTIN	4046356746731
Weight per piece (including packing)	59.2 g
Weight per piece (excluding packing)	58.5 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	2.5 dBi (2.4 GHz)
	5 dBi (5 GHz)
Vertical beamwidth	30 ° (at 2.4 GHz)
	16 ° (at 5 GHz)
Horizontal beamwidth	360 ° (at 2.4 GHz)
	360 ° (at 5 GHz)
Polarization	Linear vertical

### Electrical properties

Frequency band	2.4 GHz
	5 GHz
Frequency range	2.4 GHz ... 2.5 GHz
	5.15 GHz ... 5.83 GHz
Impedance	50 Ω
Maximum capacity	2.00 W
Voltage standing wave ratio VSWR in a 50 Ω system	≤ 2.00

### Connection data

#### Connection technology

Connection method	N (male)
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### Dimensions

Length	180 mm
Diameter	23 mm

### Material specifications

Color	black (RAL 9005)
Material	ABS-PC

### Cable/line

Connecting cable	no
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### Environmental and real-life conditions

#### Ambient conditions

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Degree of protection	IP68
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C

## Mounting

Mounting type	Control cabinet mounting
Assembly note	Accessories required
	Outdoors and indoors

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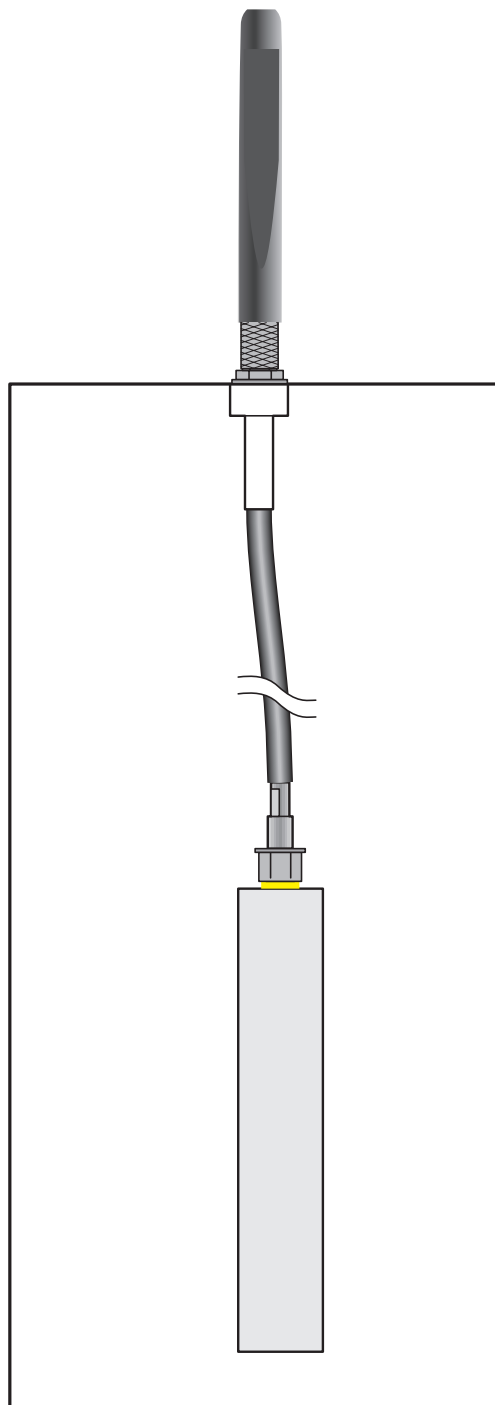
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## Drawings

Schematic diagram



Installation example

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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, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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### EF3.1 Climate Change

CO2e kg	0.595 kg CO2e
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