

# ANT-OMNI-2459-02 - Antenna

2701408

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



Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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
Catalog page	Page 388 (C-6-2019)
GTIN	4046356746731
Weight per piece (including packing)	58.5 g
Weight per piece (excluding packing)	58.5 g
Customs tariff number	85177100
Country of origin	TW

# ANT-OMNI-2459-02 - Antenna

2701408

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



## Technical data

### Notes

Note on application	Only for industrial use
---------------------	-------------------------

### 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

### Connection data

Connection technology	
Connection method	N (male)

### Dimensions

Length	180 mm
Diameter	23 mm

### Material specifications

Material	ABS-PC
----------	--------

### Cable/line

Connecting cable	No
------------------	----

### Environmental and real-life conditions

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

# ANT-OMNI-2459-02 - Antenna

2701408

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



## Mounting

Mounting type	Control cabinet
Assembly note	Accessories required
	Outdoors and indoors

# ANT-OMNI-2459-02 - Antenna

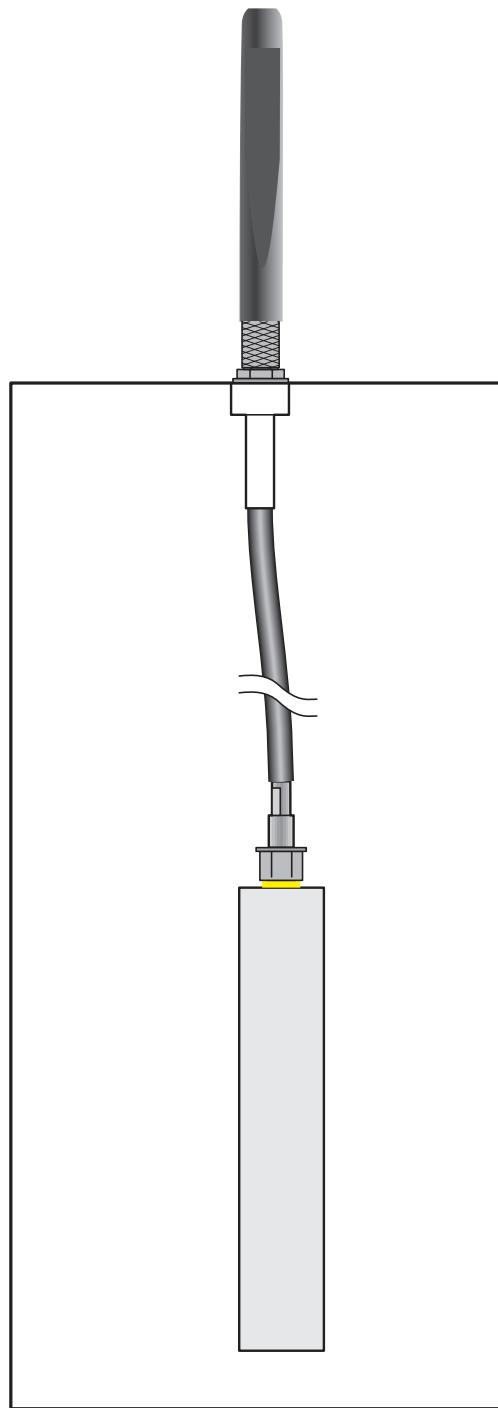
2701408

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



## Drawings

Schematic diagram



Installation example

# ANT-OMNI-2459-02 - Antenna

2701408

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



## Classifications

### ECLASS

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

### ETIM

ETIM 9.0	EC001698
----------	----------

### UNSPSC

UNSPSC 21.0	43223100
-------------	----------

# ANT-OMNI-2459-02 - Antenna

2701408

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



## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### 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%
-------------------------------------	----------------------------

# ANT-OMNI-2459-02 - Antenna



2701408

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

## Mandatory accessories

### RAD-PIG-EF316-N-RSMA - Antenna cable

2701402

<https://www.phoenixcontact.com/us/products/2701402>

Antenna cable for control cabinet feed-through, outside diameter: 3.2 mm (0.126 in.), inner conductor: stranded, attenuation: 0.6 / 0.9 / 1.4 dB at 0.9 / 2.4 / 5.8 GHz, connection: N (female) -> RSMA (male), cable length: 0.5 m (1.6 ft.)



## Accessories

### RAD-ADP-N/F-N/F - Adapter

2867843

<https://www.phoenixcontact.com/us/products/2867843>

Antenna adapter for control cabinet feed-through, frequency range: 0.3 GHz ... 6 GHz, degree of protection: IP65, connection: 2 x N (female)



Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)