

# 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
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
---------------------	-------------------------

### 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)
-------------------	----------

### Dimensions

Length	180 mm
Diameter	23 mm

### Material specifications

Color	black (RAL 9005)
Material	ABS-PC

### Cable/line

Connecting cable	no
------------------	----

### Environmental and real-life conditions

#### Ambient conditions

# ANT-OMNI-2459-02 - Antenna



2701408

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

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

# ANT-OMNI-2459-02 - Antenna

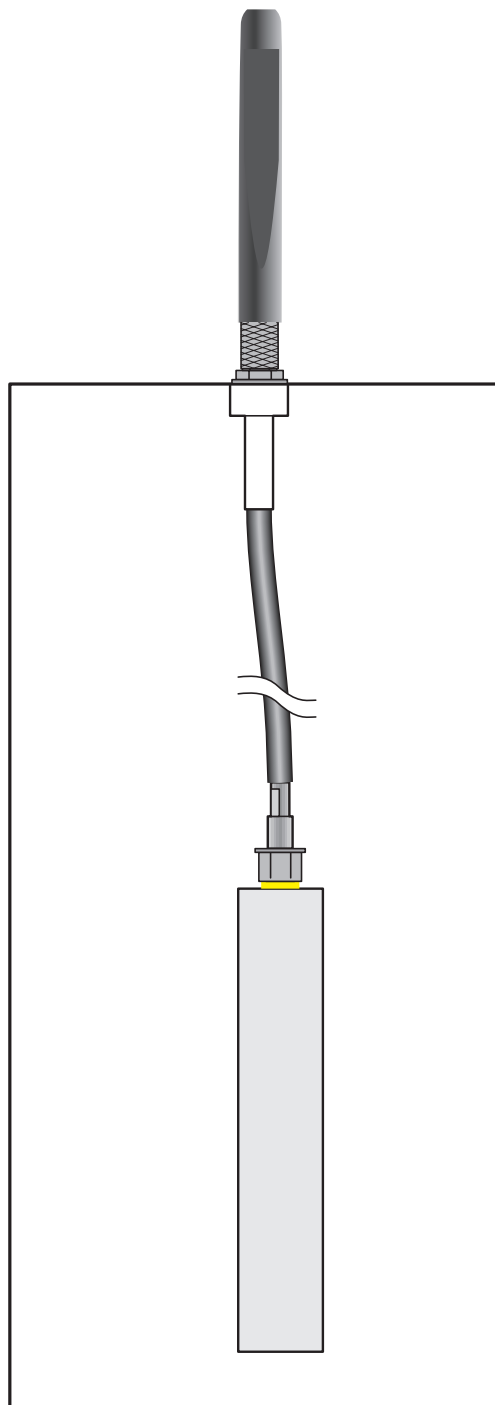
2701408

<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-13.0	19070105
ECLASS-15.0	19070105

### ETIM

ETIM 10.0	EC001698
-----------	----------

### UNSPSC

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

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%
-------------------------------------	----------------------------

### EF3.1 Climate Change

CO2e kg	0.595 kg CO2e
---------	---------------

Phoenix Contact 2026 © - 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)