

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 |
| 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 |

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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

Material

ABS-PC

Cable/line

Connecting cable

no

Environmental and real-life conditions

Ambient conditions

Degree of protection

IP68

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| | |
|---|------------------|
| Ambient temperature (operation) | -40 °C ... 70 °C |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |

Mounting

| | |
|---------------|--|
| Mounting type | Control cabinet |
| Assembly note | Accessories required Outdoors and indoors |

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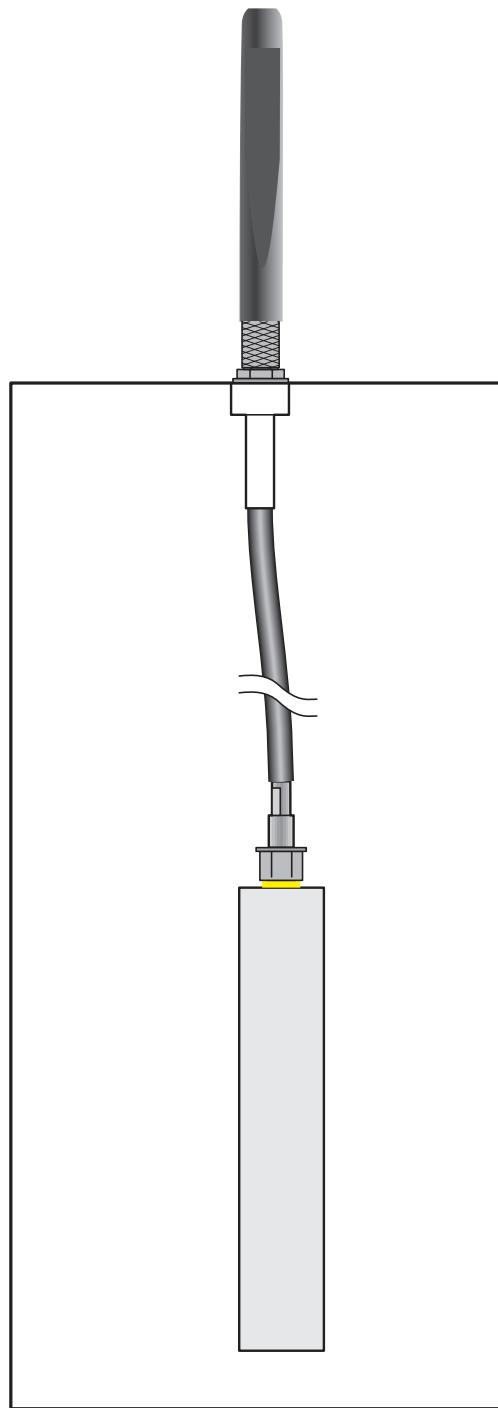
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Drawings

Schematic diagram



Installation example

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Classifications

ECLASS

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

ETIM

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

UNSPSC

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

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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% |
|-------------------------------------|----------------------------|

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