# ANT-OMNI-2459-02 - Antenna

2701408

https://www.phoenixcontact.com/au/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 | DNN2Z1 |
| 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 | DE |

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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 |

## Drawings

Schematic diagram
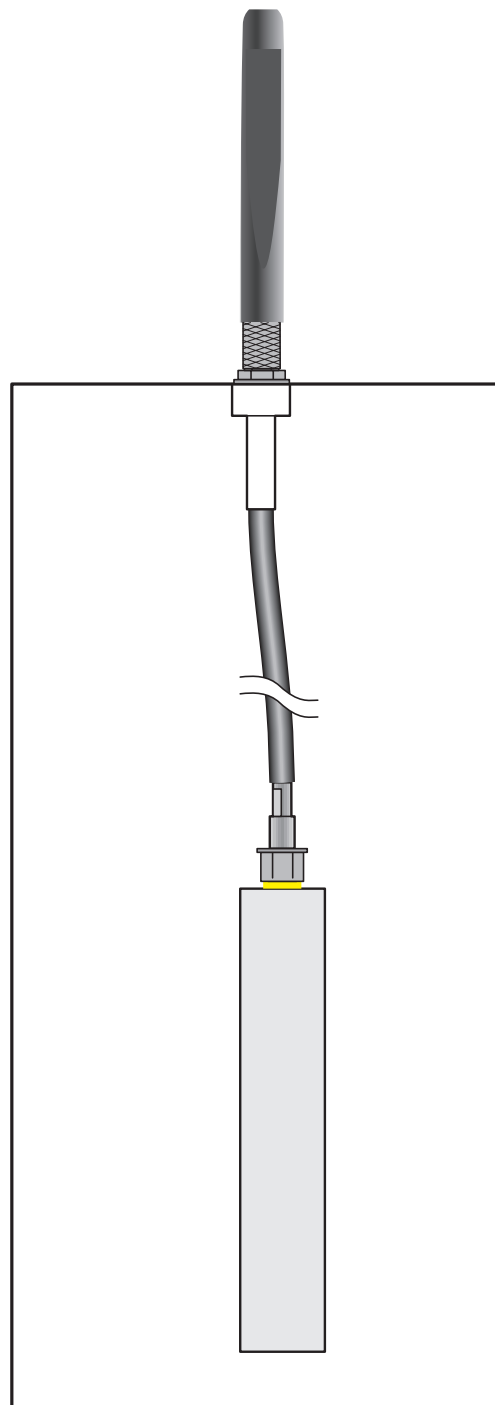
Installation example

## Classifications

### ECLASS

| 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% |