

# RAD-ISM-2400-ANT-OMNI-5-0 - Antenna



2884923

<https://www.phoenixcontact.com/us/products/2884923>

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Omnidirectional antenna, 2.4 GHz, gain: 5 dBi, polarization: linear, opening angle: h/v 360°/45°, degree of protection: IP55, connection: SMA (male)

## Your advantages

- For freely mobile applications
- For multipoint or mesh connections

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2884923                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | DN23                           |
| Product key                          | DNN2Z1                         |
| GTIN                                 | 4046356173131                  |
| Weight per piece (including packing) | 39 g                           |
| Weight per piece (excluding packing) | 38.6 g                         |
| Customs tariff number                | 85177000                       |
| Country of origin                    | TW                             |

## Technical data

### Product properties

|                      |                 |
|----------------------|-----------------|
| Product type         | Antenna         |
| Gain                 | 5 dBi           |
| Vertical beamwidth   | 45 °            |
| Horizontal beamwidth | 360 °           |
| Polarization         | Linear vertical |

### Electrical properties

|   |         |
|---|---------|
| Frequency band                                    | 2.4 GHz |
| Frequency range                                   | 2.4 GHz |
| Impedance   | 50 Ω    |
| Voltage standing wave ratio VSWR in a 50 Ω system | ≤ 2.00  |

### Connection data

#### Connection technology

|                   |            |
|-------------------|------------|
| Connection method | SMA (male) |
|-------------------|------------|

### Dimensions

|        |        |
|--------|--------|
| Width  | 13 mm  |
| Height | 187 mm |

### Material specifications

|          |              |
|----------|--------------|
| Material | Polyurethane |
|----------|--------------|

### Cable/line

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

### Environmental and real-life conditions

#### Ambient conditions

|   |                  |
|---|------------------|
| Degree of protection                    | IP55             |
| Ambient temperature (operation)         | -20 °C ... 65 °C |
| Ambient temperature (storage/transport) | -20 °C ... 65 °C |

### Mounting

|               |                |
|---------------|----------------|
| Mounting type | Panel mounting |
|               | Mast mounting  |

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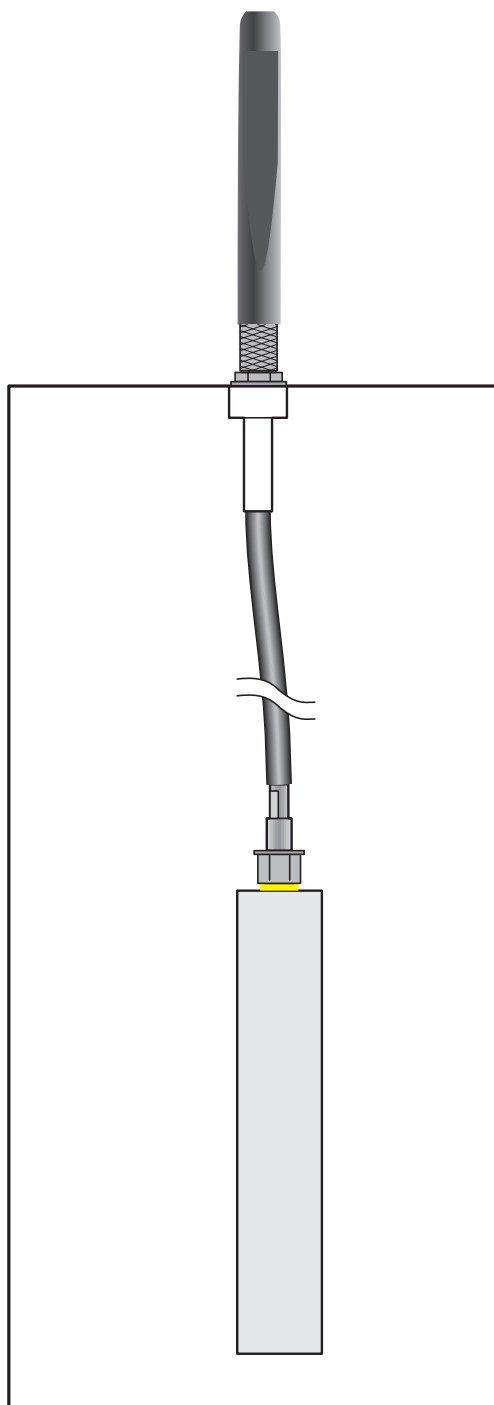
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## Drawings

Schematic diagram



Installation example

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## Classifications

### UNSPSC

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

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## Environmental product compliance

### EU RoHS

|   |      |
|---|------|
| Fulfills EU RoHS substance requirements | Yes  |
| Exemption                               | 6(c) |

### China RoHS

|  |   |
|--|---|
| Environment friendly use period (EFUP) | EFUP-25   |
|  | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                      |
|-------------------------------------|----------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
|-------------------------------------|----------------------|

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