

# RAD-ISM-2400-ANT-OMNI-9-0 - Antenna



2867623

<https://www.phoenixcontact.com/us/products/2867623>

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Omnidirectional antenna, 2.4 GHz, gain: 9 dBi, polarization: linear, opening angle: h/v 360°/15°, degree of protection: IP65, connection: N (female), incl. mounting bracket and mast clips

## Your advantages

- For medium distances
- For freely mobile applications
- For multipoint or mesh connections

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2867623       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | DN23          |
| Product key                          | DNN2Z1        |
| GTIN                                 | 4017918939007 |
| Weight per piece (including packing) | 850 g         |
| Weight per piece (excluding packing) | 853 g         |
| Customs tariff number                | 85177100      |
| Country of origin                    | PL            |

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## Technical data

### Notes

#### Note on application

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

### Product properties

|                      |                 |
|----------------------|-----------------|
| Product type         | Antenna         |
| Gain                 | 9 dBi           |
| Vertical beamwidth   | 15 °            |
| Horizontal beamwidth | 360 °           |
| Polarization         | Linear vertical |

### Electrical properties

|   |                     |
|---|---------------------|
| Frequency band                                    | 2.4 GHz             |
| Frequency range                                   | 2.4 GHz ... 2.5 GHz |
| Impedance   | 50 Ω                |
| Voltage standing wave ratio VSWR in a 50 Ω system | ≤ 2.00              |

### Connection data

#### Connection technology

|                   |                        |
|-------------------|------------------------|
| Connection method | N (female)             |
| Outside diameter  | 28 mm ... 47 mm (Mast) |

### Dimensions

|        |        |
|--------|--------|
| Width  | 25 mm  |
| Height | 625 mm |

#### External dimensions

|                  |                        |
|------------------|------------------------|
| Outside diameter | 28 mm ... 47 mm (Mast) |
|------------------|------------------------|

### Material specifications

|          |                               |
|----------|-------------------------------|
| Material | Fiberglass-reinforced plastic |
|          | Aluminum                      |
|          | V2A                           |

### Cable/line

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

### Environmental and real-life conditions

#### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Degree of protection            | IP65             |
| Ambient temperature (operation) | -40 °C ... 75 °C |

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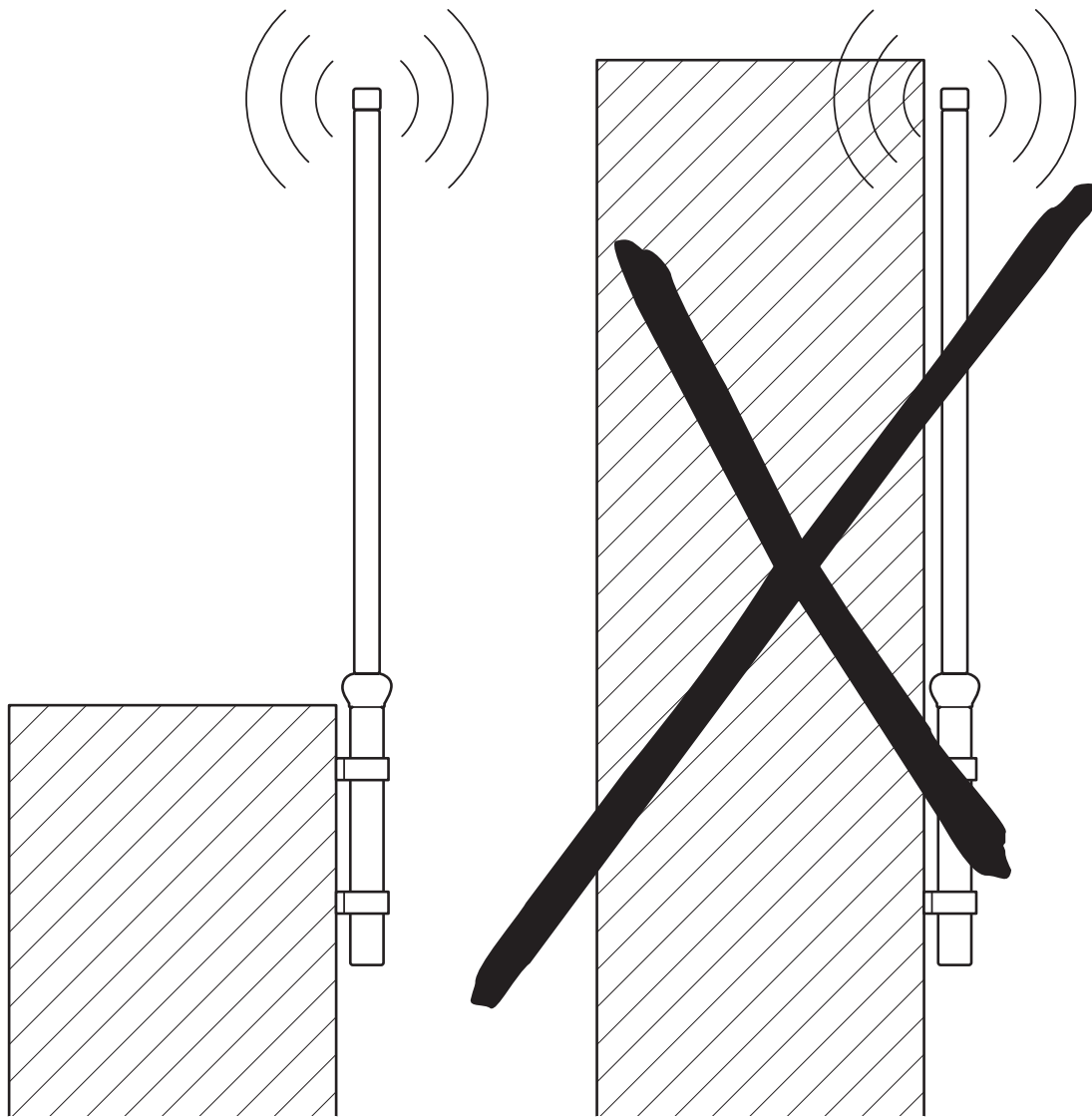
|   |                  |
|---|------------------|
| Ambient temperature (storage/transport) | -40 °C ... 75 °C |
|---|------------------|

## Mounting

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

Drawings

Schematic diagram



Mounting

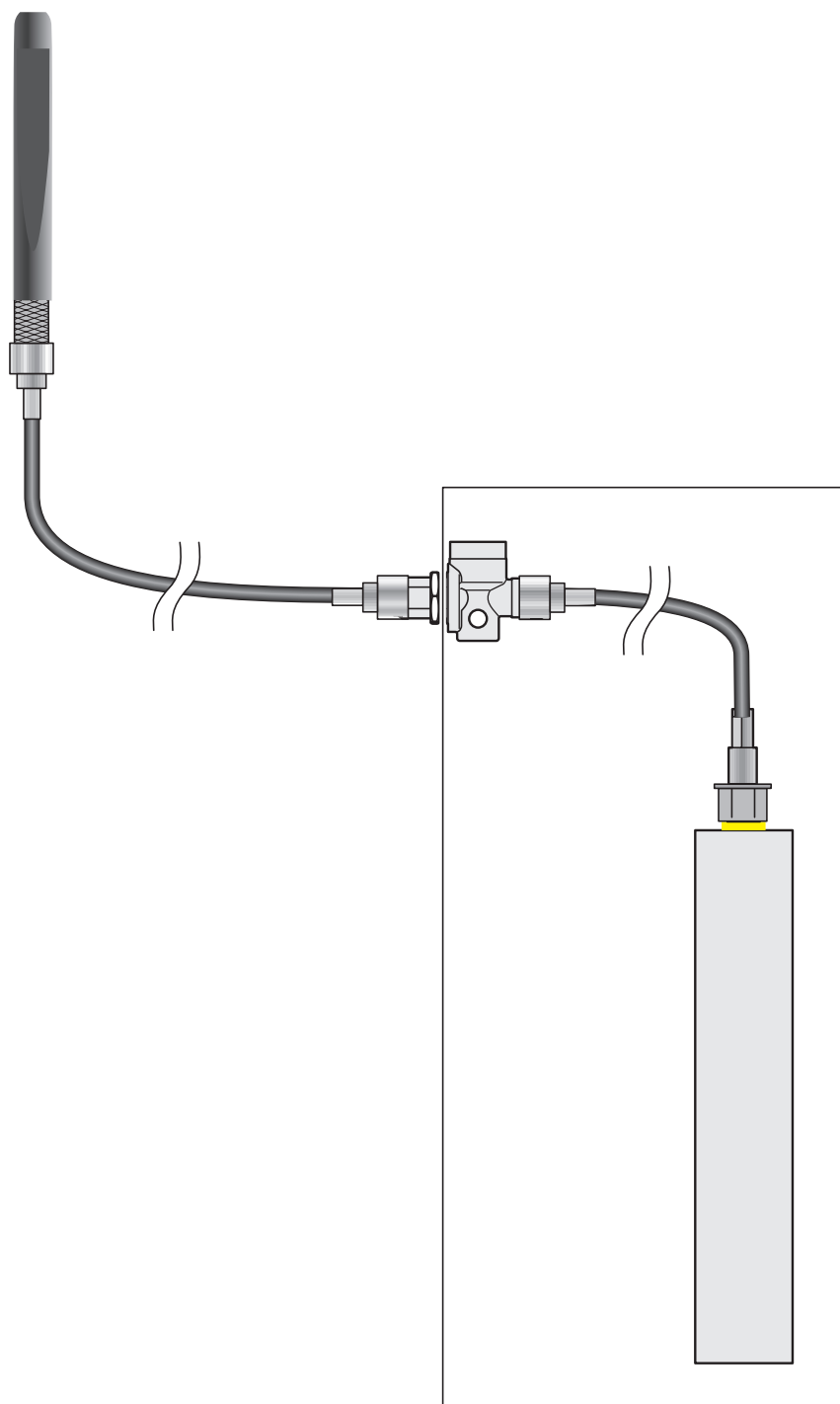
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Schematic diagram



Installation example

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 19070105 |
| ECLASS-15.0 | 19070105 |

### ETIM

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

### 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)                 |
| SCIP                                | b4195123-53aa-4899-9f5d-bba4882d8f88 |

### EF3.1 Climate Change

|         |                |
|---------|----------------|
| CO2e kg | 16.349 kg CO2e |
|---------|----------------|

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