

## Antenna - RAD-ISM-2400-ANT-OMNI-2-1-RSMA - 2701362

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Omnidirectional antenna, 2.4 GHz, gain: 2 dBi, polarization: linear, opening angle: h/v 360°/75°, degree of protection: IP65, connection: RSMA (male), incl. 1.5 m / 5 ft. connecting cable and mounting bracket for wall mounting

### Your advantages

- ✓ For freely mobile applications
- ✓ For multipoint or mesh connections
- ✓ Easy panel mounting

**RoHS**

### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| GTIN                                 | <br>4 046356 743471 |
| GTIN                                 | 4046356743471                                                                                           |
| Weight per Piece (excluding packing) | 80.000 g                                                                                                |
| Custom tariff number                 | 85177000                                                                                                |
| Country of origin                    | Taiwan                                                                                                  |

### Technical data

#### Dimensions

|                         |         |
|-------------------------|---------|
| Width                   | 7.8 mm  |
| Height                  | 82.5 mm |
| Fixed cable length      | 1.50 m  |
| External cable diameter | 2.50 mm |

#### Ambient conditions

|                      |      |
|----------------------|------|
| Degree of protection | IP65 |
|----------------------|------|

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## Technical data

### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Ambient temperature (operation)         | -20 °C ... 65 °C |
| Ambient temperature (storage/transport) | -30 °C ... 75 °C |

### General

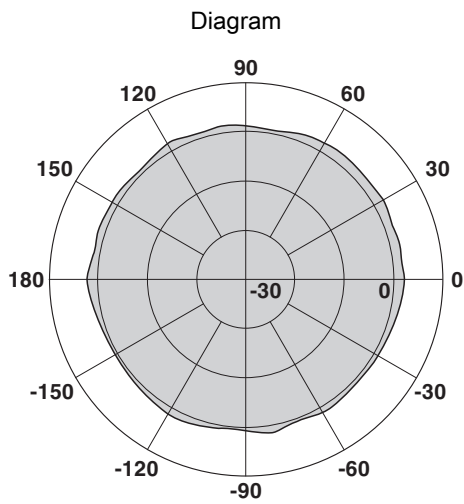
|                                             |                                      |
|---------------------------------------------|--------------------------------------|
| With connecting cable                       | yes                                  |
| Frequency range                             | 2.4 GHz                              |
|                                             | 2.4 GHz                              |
| Horizontal beamwidth                        | 360 °                                |
| Vertical beamwidth                          | 75 °                                 |
| Polarization                                | Linear vertical                      |
| Impedance                                   | 50 Ω                                 |
| Gain                                        | 2 dBi                                |
| Connection method                           | RSMA (male)                          |
| Fixed cable length                          | 1.50 m                               |
| Smallest bending radius, fixed installation | 25.4 mm                              |
| Cable, attenuation                          | 2 dB                                 |
| Material                                    | Polyurethane (Antenna housing)       |
|                                             | Polycarbonate PC (Antenna foot)      |
|                                             | V2A (Bracket)                        |
| Mounting type                               | Wall mounting                        |
| External cable diameter                     | 2.50 mm                              |
| Outer sheath, material                      | Fluorinated ethylene propylene (FEP) |

### Environmental Product Compliance

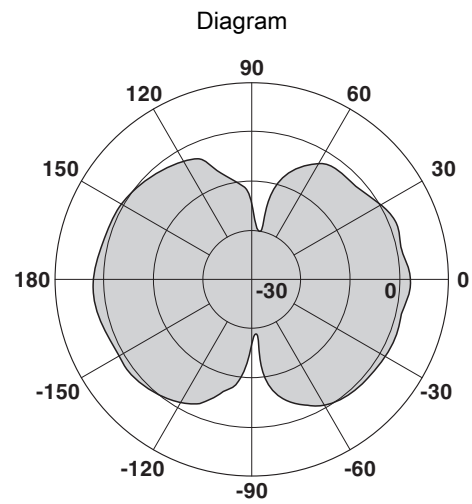
|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 25;                                                           |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

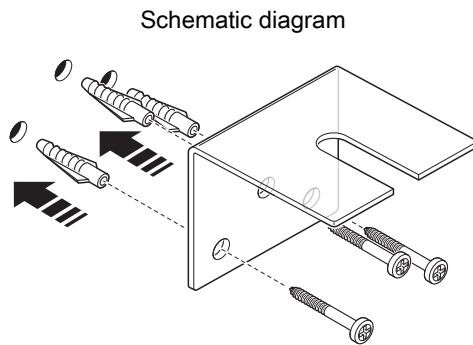
## Antenna - RAD-ISM-2400-ANT-OMNI-2-1-RSMA - 2701362



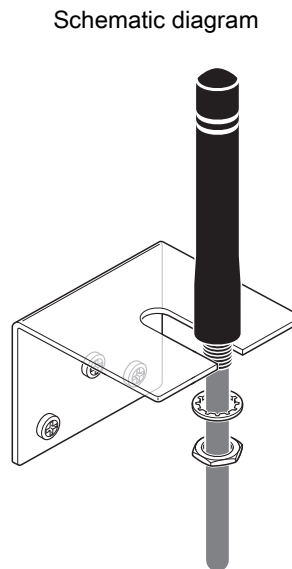
Horizontal



Vertical



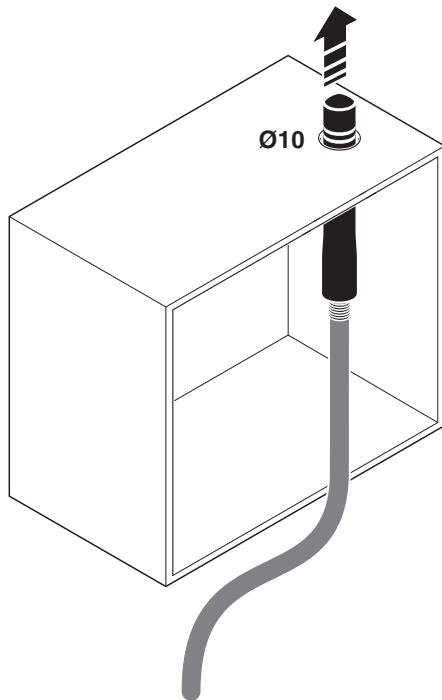
Wall mounting



Wall mounting

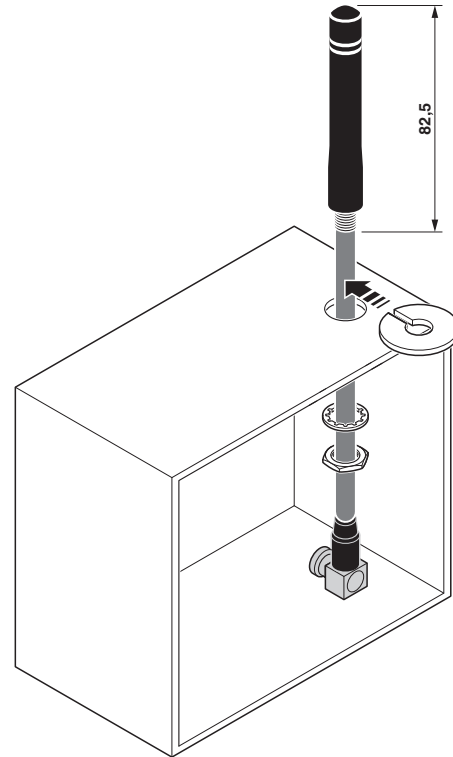
## Antenna - RAD-ISM-2400-ANT-OMNI-2-1-RSMA - 2701362

Schematic diagram



Control cabinet feed-through

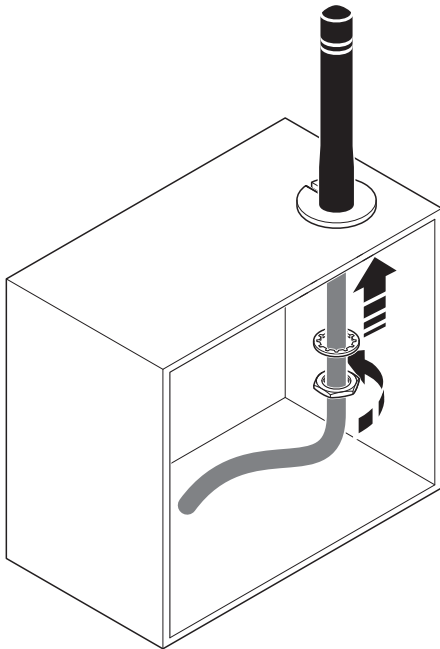
Schematic diagram



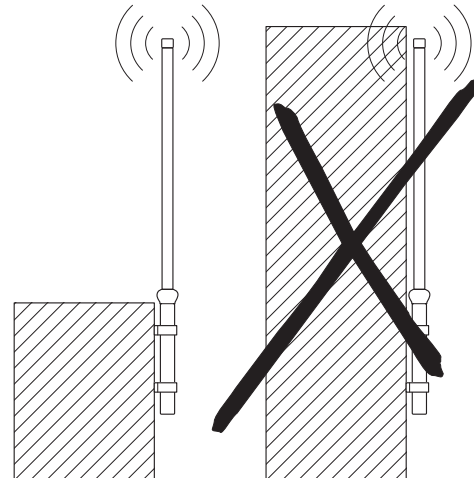
Mounting on the control cabinet

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Schematic diagram



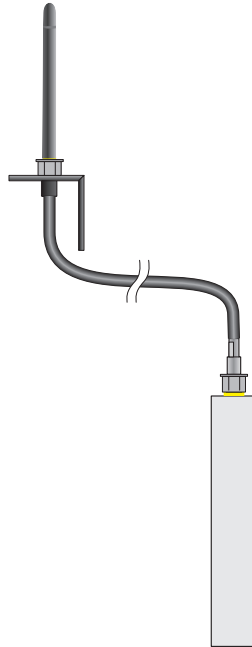
Schematic diagram



Mounting on the control cabinet

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Schematic diagram



Installation example

### Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 19070105 |
| eCl@ss 11.0   | 19070105 |
| eCl@ss 4.0    | 27250300 |
| eCl@ss 4.1    | 27250300 |
| eCl@ss 5.0    | 19070100 |
| eCl@ss 5.1    | 19070100 |
| eCl@ss 6.0    | 19070100 |
| eCl@ss 7.0    | 19070105 |
| eCl@ss 9.0    | 19070105 |

ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000416 |
| ETIM 3.0 | EC001698 |
| ETIM 4.0 | EC001698 |
| ETIM 6.0 | EC001698 |
| ETIM 7.0 | EC001698 |

## Antenna - RAD-ISM-2400-ANT-OMNI-2-1-RSMA - 2701362

### Classifications

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 43171611 |
| UNSPSC 7.0901 | 43221706 |
| UNSPSC 11     | 43171611 |
| UNSPSC 12.01  | 43221706 |
| UNSPSC 13.2   | 43221715 |
| UNSPSC 18.0   | 43221715 |
| UNSPSC 19.0   | 43221715 |
| UNSPSC 20.0   | 43221715 |
| UNSPSC 21.0   | 43221715 |