

## Antenna - RAD-ISM-2459-ANT-FOOD-6-0-N - 2702898

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Omnidirectional antenna with protection against vandalism, 2.4 GHz/5 GHz, gain: 6 dBi/8 dBi, polarization: linear, opening angle: h 360°, degree of protection: IP68, resistant to cleaning agents, connection: N (female), for control cabinet mounting



### Your advantages

- ✓ Resistant to cleaning agents
- ✓ Impact-resistant housing
- ✓ For medium distances
- ✓ For freely mobile applications
- ✓ For multipoint or mesh connections



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 055626 378992 |
| GTIN         | 4055626378992                                                                                           |

### Technical data

#### Dimensions

|          |       |
|----------|-------|
| Height   | 51 mm |
| Diameter | 92 mm |

#### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Degree of protection                    | IP68             |
| Ambient temperature (operation)         | -40 °C ... 80 °C |
| Ambient temperature (storage/transport) | -40 °C ... 80 °C |

#### General

|                       |         |
|-----------------------|---------|
| With connecting cable | No      |
| Frequency range       | 2.4 GHz |
|                       | 5 GHz   |

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### Technical data

#### General

|                       |                                                              |
|-----------------------|--------------------------------------------------------------|
|                       | 2.4 GHz                                                      |
|                       | 5.15 GHz ... 5.83 GHz                                        |
| Horizontal beamwidth  | 360 °                                                        |
| Polarization          | Linear vertical                                              |
| Impedance             | 50 Ω                                                         |
| Gain                  | 6 dBi (2.4 GHz, when mounted on metal surface)               |
|                       | 8 dBi (5.6 GHz, when mounted on metal surface)               |
| Wind velocity         | 160 km/h (Has a force of 10 N)                               |
| Connection method     | N (female)                                                   |
| Housing material      | Aluminum, HRA 150                                            |
| Mounting type         | Control cabinet                                              |
| Assembly instructions | Protection class: IP68, only when mounted on a level surface |
|                       | Accessories required                                         |

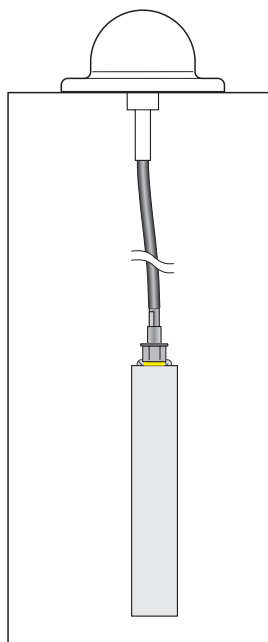
#### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| 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-2459-ANT-FOOD-6-0-N - 2702898

Schematic diagram



Installation example

## Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 19070105 |
| eCl@ss 11.0   | 19070105 |
| eCl@ss 4.0    | 27240409 |
| eCl@ss 4.1    | 27240409 |
| eCl@ss 5.0    | 27242215 |
| eCl@ss 5.1    | 19070102 |
| eCl@ss 6.0    | 27242208 |
| eCl@ss 7.0    | 19070105 |
| eCl@ss 9.0    | 19070105 |

ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001423 |
| ETIM 3.0 | EC001423 |
| ETIM 4.0 | EC001423 |
| ETIM 6.0 | EC001698 |
| ETIM 7.0 | EC001698 |

UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 20142601 |
| UNSPSC 7.0901 | 20142601 |

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### Classifications

#### UNSPSC

|              |          |
|--------------|----------|
| UNSPSC 11    | 20142601 |
| UNSPSC 12.01 | 20142601 |
| UNSPSC 13.2  | 43221715 |
| UNSPSC 18.0  | 43221715 |
| UNSPSC 19.0  | 43221715 |
| UNSPSC 20.0  | 43221715 |
| UNSPSC 21.0  | 43221715 |

### Accessories

#### Accessories

##### Coaxial cable

##### Antenna cable - RAD-PIG-RSMA/N-0.5 - 2903263



Antenna cable, outside diameter: 5 mm (0.2 in.), inner conductor: solid, attenuation: 0.4 / 0.5 / 0.6 dB at 0.9 / 2.4 / 5.8 GHz, connection: N (male) -> RSMA (male), cable length: 0.5 m (1.6 ft.)

##### Antenna cable - RAD-PIG-RSMA/N-1 - 2903264



Antenna cable, outside diameter: 5 mm (0.2 in.), inner conductor: solid, attenuation: 0.5 / 0.8 / 1.1 dB at 0.9 / 2.4 / 5.8 GHz, connection: N (male) -> RSMA (male), cable length: 1 m (3.3 ft.)

##### Antenna cable - RAD-PIG-RSMA/N-2 - 2903265



Antenna cable, outside diameter: 5 mm (0.2 in.), inner conductor: solid, attenuation: 0.9 / 1.3 / 2.0 dB at 0.9 / 2.4 / 5.8 GHz, connection: N (male) -> RSMA (male), cable length: 2 m (6.5 ft.)

##### Antenna cable - RAD-PIG-RSMA/N-3 - 2903266



Antenna cable, outside diameter: 5 mm (0.2 in.), inner conductor: solid, attenuation: 1.2 / 2.0 / 3.0 dB at 0.9 / 2.4 / 5.8 GHz, connection: N (male) -> RSMA (male), cable length: 3 m (10 ft.)

## Antenna - RAD-ISM-2459-ANT-FOOD-6-0-N - 2702898

### Accessories

Antenna cable - RAD-PIG-RSMA/N-5 - 2702140



Antenna cable, outside diameter: 5 mm (0.2 in.), inner conductor: solid, attenuation: 2.0 / 3.3 / 4.8 dB at 0.9 / 2.4 / 5.8 GHz, connection: N (male) -> RSMA (male), cable length: 5 m (16 ft.)

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### Mounting material

Mounting material - RAD-ANT-VAN-MKT - 2885870



Mounting material for wall mounting of omnidirectional antenna with protection against vandals

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