

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 |  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 |
| | 2.4 GHz |

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Technical data

General

| | |
|-----------------------|--|
| | 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 |

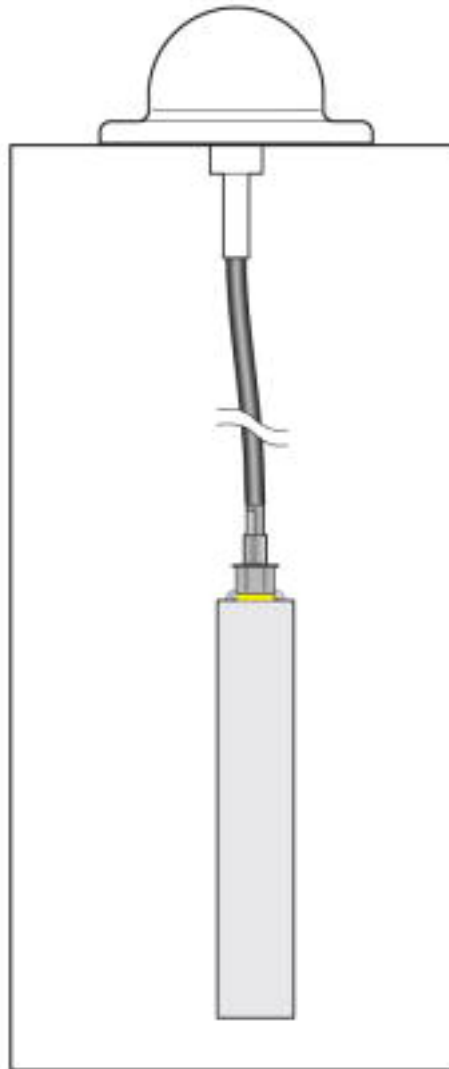
Environmental Product Compliance

| | |
|------------|---|
| 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 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 8.0 | 19070105 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 9.0 | 19070105 |
|------------|----------|

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC001423 |
| ETIM 3.0 | EC001423 |
| ETIM 4.0 | EC001423 |
| ETIM 5.0 | EC001698 |
| ETIM 6.0 | EC001698 |
| ETIM 7.0 | EC001698 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 20142601 |
| UNSPSC 7.0901 | 20142601 |
| 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.)

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Accessories

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 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.)

Mounting material

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



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