

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)


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

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

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

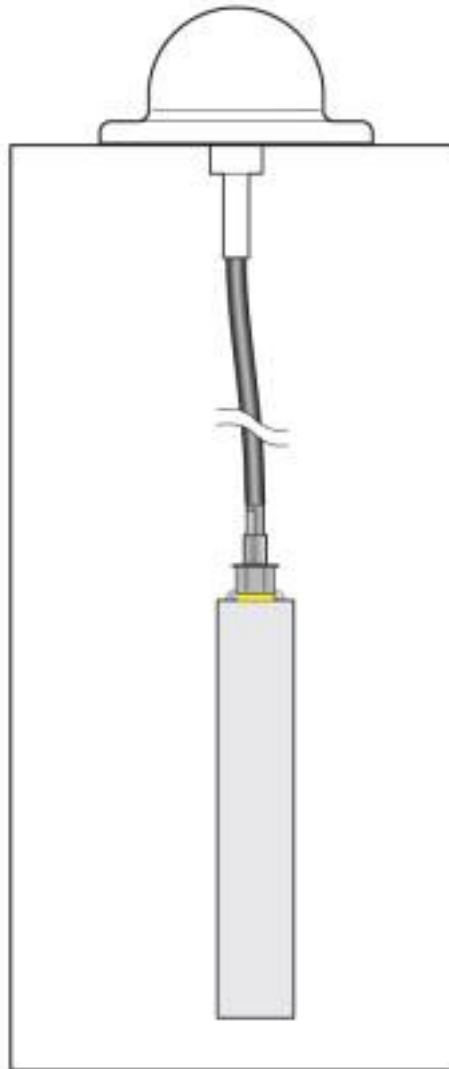
Environmental Product Compliance

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

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

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.)

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

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact:](#)

[2702898](#)