

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



2692526

<https://www.phoenixcontact.com/us/products/2692526>

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Dual band omnidirectional antenna with protection against vandalism; IP68 protection; frequency band/gain: 2.4 GHz/up to 6 dBi, 5 GHz/up to 8 dBi; EN 50155; temperature range: -40°C to +80°C; N (f) connection; 1 m long adapter cable, N (m) - SMA (m) connection.



## Your advantages

- As a dual band antenna
- Rugged design

## Commercial data

Item number	2692526
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN23
Product key	DNN2Z1
GTIN	4046356335850
Weight per piece (including packing)	323.3 g
Weight per piece (excluding packing)	323.3 g
Customs tariff number	85177000
Country of origin	PL

## Technical data

### Product properties

Product type	Antenna
Gain	6 dBi (2.4 GHz, when mounted on metal surface)
	3 dBi (2.4 GHz, no metal surface)
	8 dBi (5.6 GHz, when mounted on metal surface)
	5 dBi (5.6 GHz, no metal surface)
Horizontal beamwidth	360 °
Polarization	Linear vertical

### Electrical properties

Frequency band	2.4 GHz
	5 GHz
Frequency range	2.4 GHz
	5.15 GHz ... 5.83 GHz
Impedance	50 Ω

### Connection data

#### Connection technology

Connection method	N (female)
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### Dimensions

Height	51 mm
Diameter	92 mm

### Material specifications

Housing material	Aluminum, HRA 150
Outer sheath, material	RADOX®(LSFH)

### Cable/line

Cable length	1.00 m
Connecting cable	yes
Cable type	EF 142
External cable diameter	5.00 mm
Outer sheath, material	RADOX®(LSFH)
Bending radius, long-term	30.00 mm

### Environmental and real-life conditions

#### Ambient conditions

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

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Wind velocity	12.34568 km/h (Has a force of 10 N)
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## Mounting

Mounting type	Control cabinet
Assembly note	Protection class: IP68, only when mounted on a level surface

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(b), 6(b)-II, 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.)	No substance above 0.1 wt%
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