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

2702898

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Multiband omnidirectional antenna with protection against vandalism for control cabinet mounting, frequency band: 2.4 GHz / 5 GHz / 6 GHz, gain: 6 dBi / 8 dBi / 8 dBi, degree of protection: IP68, shockproof: IK08, resistant to cleaning agents, shock- and vibration-resistant, connection: N (female)

Your advantages

- Ideally suited for freely mobile applications with 2.4 GHz, 5 GHz, or 6 GHz
- Resistant to cleaning agents
- Impact-resistant housing (IK08)
- Shock- and vibration-resistant

Commercial data

Item number	2702898
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN23
Product key	DNN2Z1
GTIN	4055626378992
Weight per piece (including packing)	226 g
Weight per piece (excluding packing)	232.5 g
Customs tariff number	85177100
Country of origin	PL

Technical data

Notes

Note on application

Note on application	Only for industrial use

Product properties

Product type	Antenna
Radiation characteristics	Omnidirectional
Gain	6 dBi (2.4 GHz ... 2.5 GHz, when mounted on metal surface)
	8 dBi (4.9 GHz ... 7.1 GHz, when mounted on metal surface)
Vertical beamwidth	25 ° (2.4 GHz ... 2.5 GHz)
	30 ° (4.9 GHz ... 7.1 GHz)
Horizontal beamwidth	360 °
Polarization	Linear vertical

Electrical properties

Frequency band	2.4 GHz
	5 GHz
	6 GHz
Frequency range	2.4 GHz ... 2.5 GHz
	4.9 GHz ... 7.1 GHz
Impedance	50 Ω
Maximum capacity	75.00 W
Voltage standing wave ratio VSWR in a 50 Ω system	≤ 2.00

Connection data

Connection technology

Connection method	N (female)

Dimensions

Height	51 mm
Diameter	92 mm

Material specifications

Color	anthracite gray (RAL 7016)
Material	ASA, Acrylic ester styrene-acrylonitrile
	Aluminum
Flammability rating according to UL 94	HB

Cable/line

Connecting cable	no
Other resistance	Resistant to cleaning agents

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
Wind velocity	160 km/h

Approvals

Electronic devices in rail vehicles

Shock (operation)	35g (EN 60068-2-27)
Vibration (operation)	24 h (EN 60068-2-64)

Standards and regulations

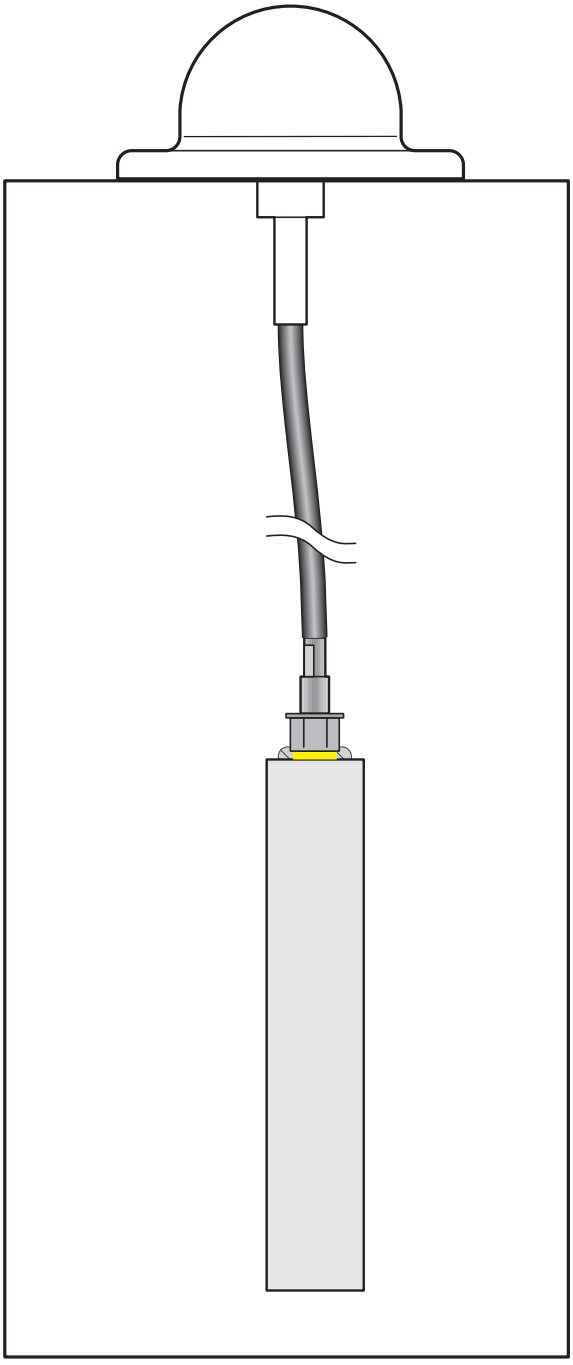
Other resistance	Resistant to cleaning agents
Standards/specifications	EN 45545-2
	NF F16-101/102
Note	Fire protection on railway vehicles
Standards/specifications	EN 50155
Note	Railway application

Mounting

Mounting type	Control cabinet mounting
Assembly note	Protection class: IP68, only when mounted on a level surface
	Accessories required
	Outdoors and indoors

Drawings

Schematic diagram



Installation example

Classifications

ECLASS

ECLASS-13.0	19070105
ECLASS-15.0	19070105

ETIM

ETIM 10.0	EC001698

UNSPSC

UNSPSC 21.0	43223100

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

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%

EF3.1 Climate Change

CO2e kg	10.714 kg CO2e

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