RAD-ISM-900-ANT-YAGI-6.5-N - Antenna

2867814

https://www.phoenixcontact.com/us/products/2867814

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Directional antenna, 868 MHz/900 MHz, gain: 8.65 dBi, polarization: linear, opening angle: h/v 100°/62°, degree of protection: IP65, connection: N (female), incl. mounting bracket and mast clips

Your advantages

- For large distances
- For point-to-point connections

Commercial data

Item number	2867814
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN23
Product key	DNC6A3
GTIN	4017918976699
Weight per piece (including packing)	1,321.1 g
Weight per piece (excluding packing)	1,236 g
Customs tariff number	85177100
Country of origin	CN

Technical data

Notes

Note on application

Note on application	Only for industrial use

Product properties

Product type	Antenna
Gain	8.65 dBi
Vertical beamwidth	62 °
Horizontal beamwidth	100 °
Polarization	Linear vertical or horizontal

Electrical properties

Frequency band	900 MHz
Frequency range	868 MHz ... 960 MHz
Impedance	50 Ω
Maximum capacity	200.00 W
Voltage standing wave ratio VSWR in a 50 Ω system	≤ 1.50

Connection data

Connection technology

Connection method	N (female) with cable (0.6 m)
Outside diameter	32 mm ... 60 mm (Mast)

Dimensions

Width	60.5 mm
Height	172 mm
Length	304.8 mm

External dimensions

Outside diameter	32 mm ... 60 mm (Mast)

Material specifications

Material	Aluminum
	V2A
	V2A

Cable/line

Cable length	0.60 m
Connecting cable	yes

Environmental and real-life conditions

Ambient conditions

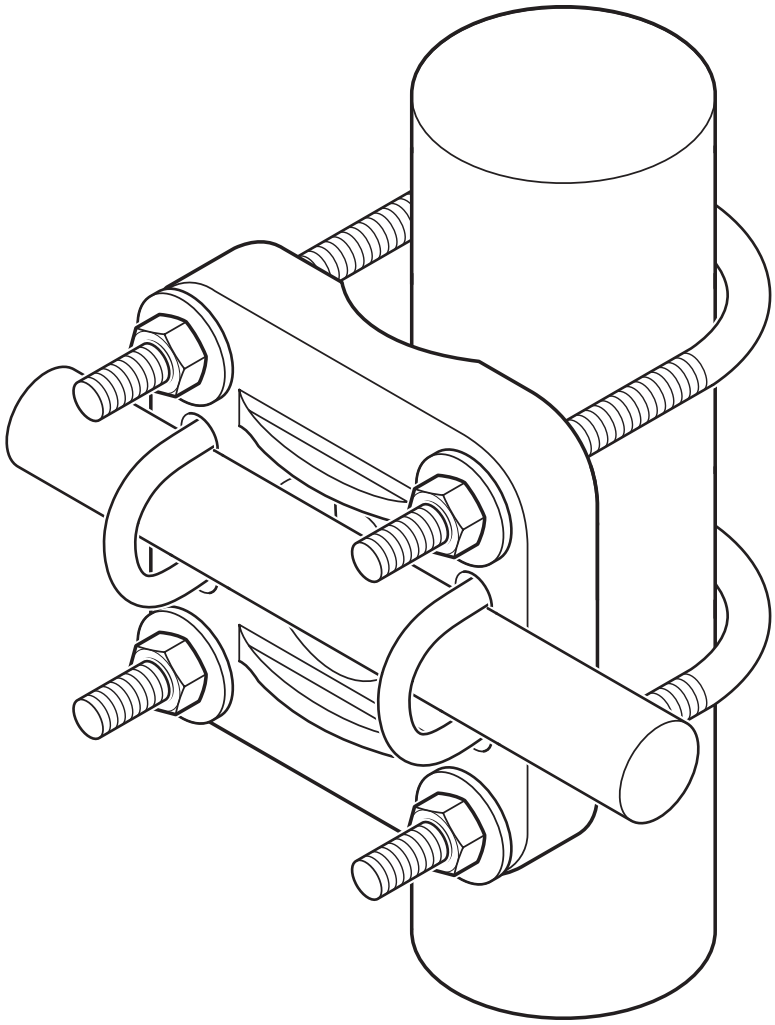
Degree of protection	IP65
Ambient temperature (operation)	-40 °C ... 80 °C
Wind velocity	240 km/h

Mounting

Mounting type	Mast mounting

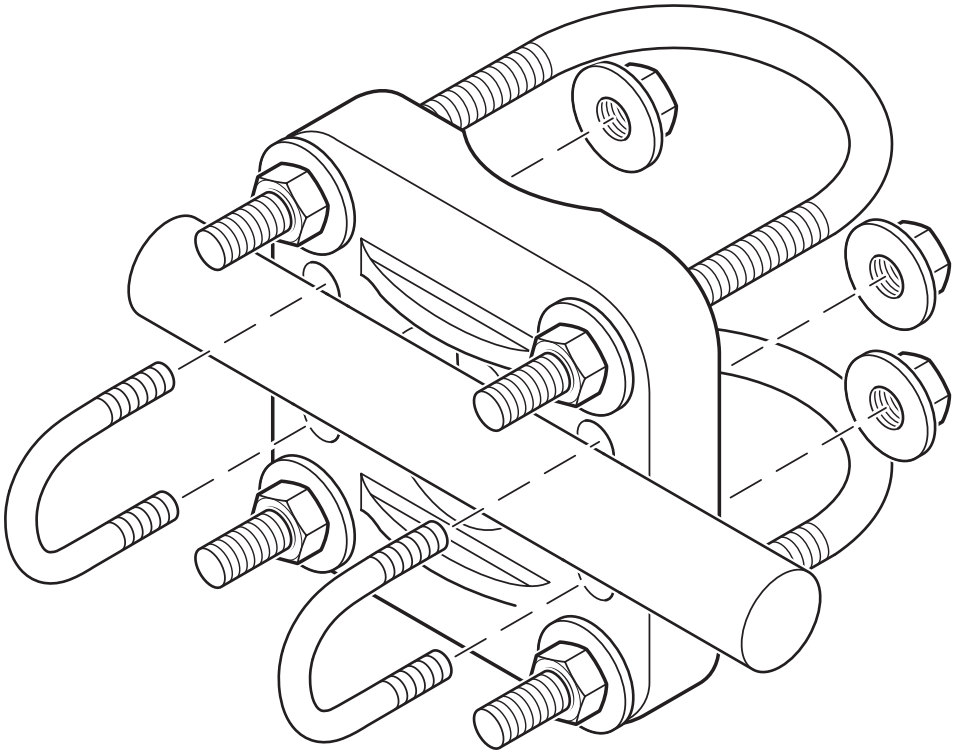
Drawings

Schematic diagram

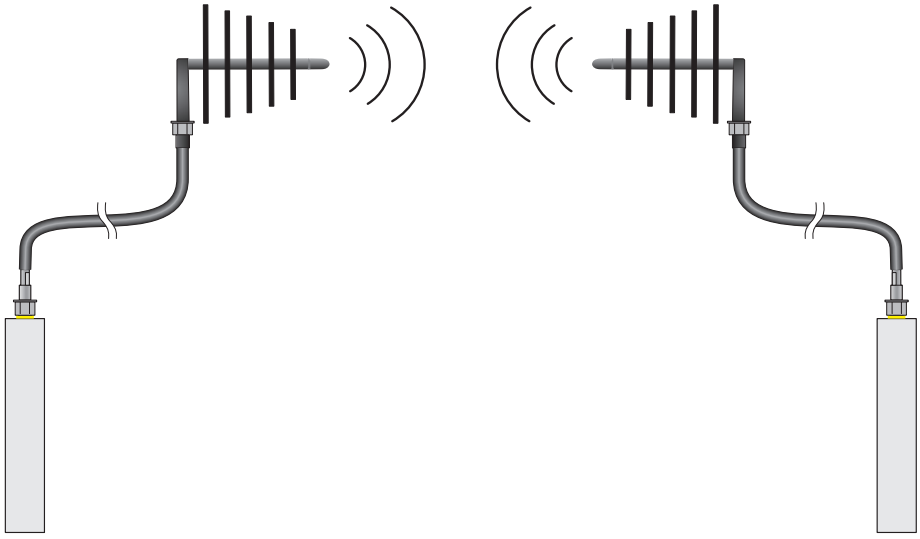


Mast mounting

Schematic diagram



Schematic diagram



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
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	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.)	Lead(CAS: 7439-92-1)
SCIP	3ddf8f61-b9c4-4655-8074-ccd6fc17d613

EF3.1 Climate Change

CO2e kg	18.904 kg CO2e

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