RAD-ISM-900-ANT-YAGI-3-N - Antenna

2867801

https://www.phoenixcontact.com/us/products/2867801

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Directional antenna, 868 MHz/900 MHz, gain: 5 dBi, polarization: linear, opening angle: h/v 168°/78°, degree of protection: IP65, connection: N (female), incl. mounting bracket and mast clips

Your advantages

- For stationary or linear mobile applications
- For point-to-point connections
- For large distances

Commercial data

Item number	2867801
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN23
Product key	DNC6A3
GTIN	4017918976668
Weight per piece (including packing)	1,277.8 g
Weight per piece (excluding packing)	1,205 g
Customs tariff number	85177100
Country of origin	US

Technical data

Notes

Note on application

Note on application	Only for industrial use

Product properties

Product type	Antenna
Gain	5 dBi
Vertical beamwidth	78 °
Horizontal beamwidth	168 °
Polarization	Linear vertical or horizontal

Electrical properties

Frequency band	900 MHz
Frequency range	900 MHz
Impedance	50 Ω
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	6 cm
Height	17 cm

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

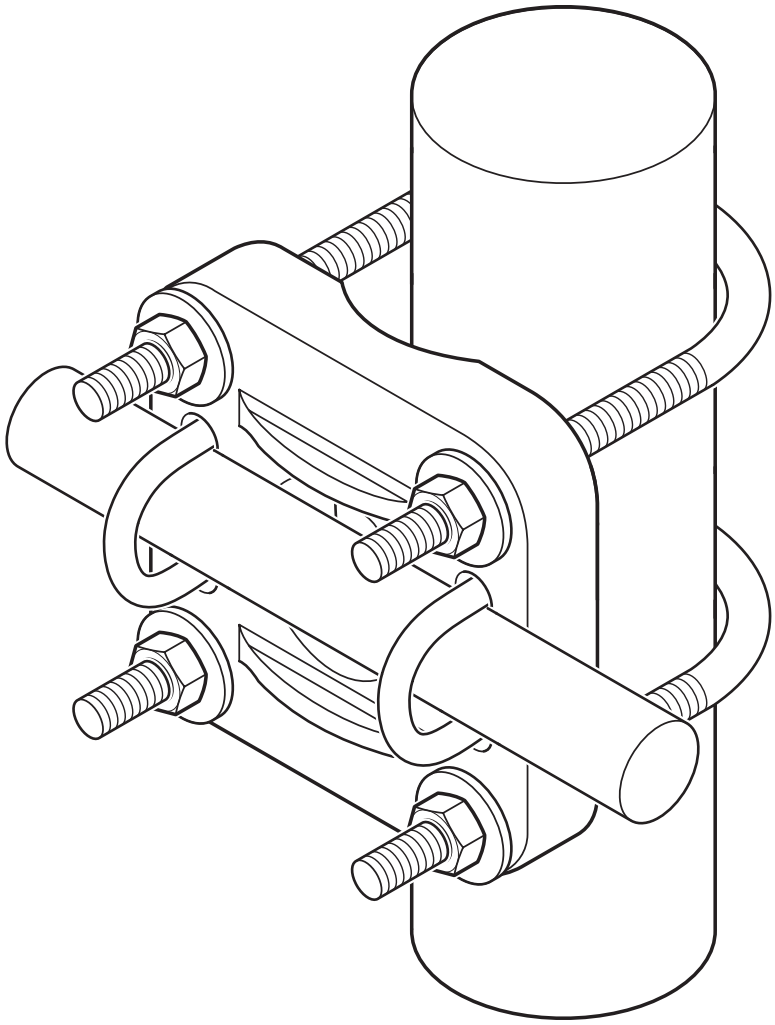
Ambient temperature (operation)	-40 °C ... 80 °C
Wind velocity	15.4321 km/h

Mounting

Mounting type	Mast mounting

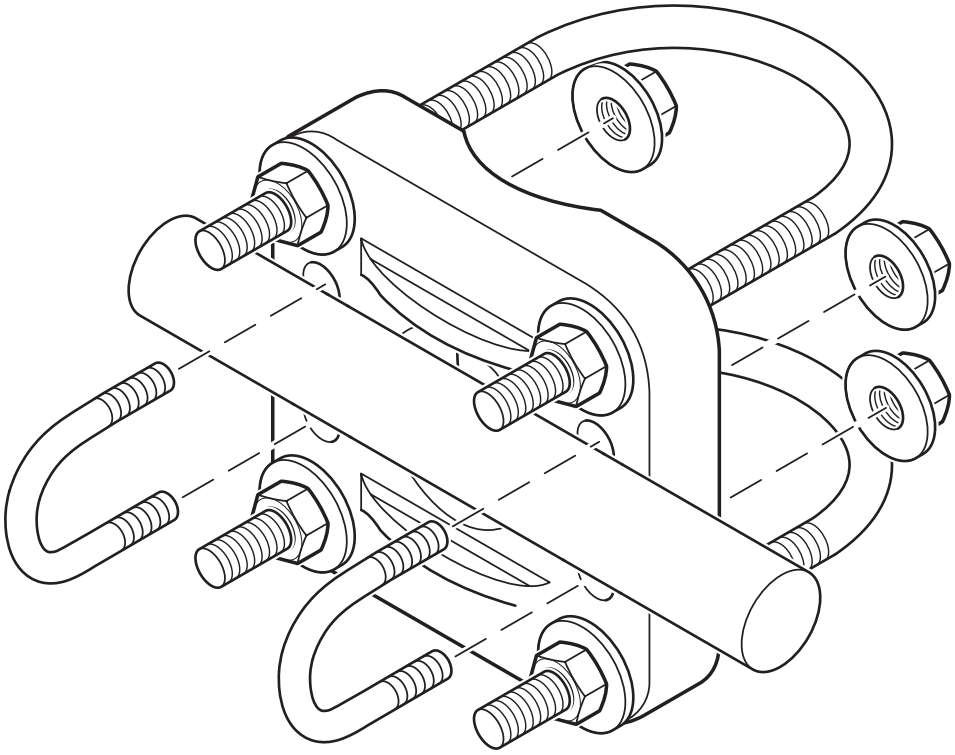
Drawings

Schematic diagram

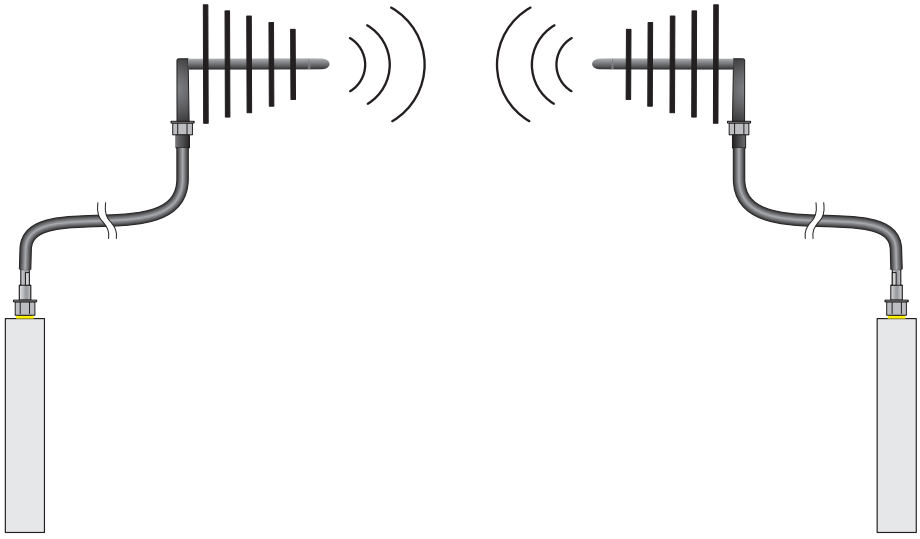


Mast mounting

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	6c00b5b0-a334-4db0-b629-3be29a13bcc5

EF3.1 Climate Change

CO2e kg	6.285 kg CO2e

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