

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	US

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Technical data

Notes

Note on application

Note on application	Only for industrial use
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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)

Ex data

Safety data

Input power P_i	≤ 1 W (30 dB)
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Dimensions

Width	60.5 mm
Height	172 mm
Length	304.8 mm

External dimensions

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

Material	Aluminum
	V2A
	V2A

Cable/line

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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
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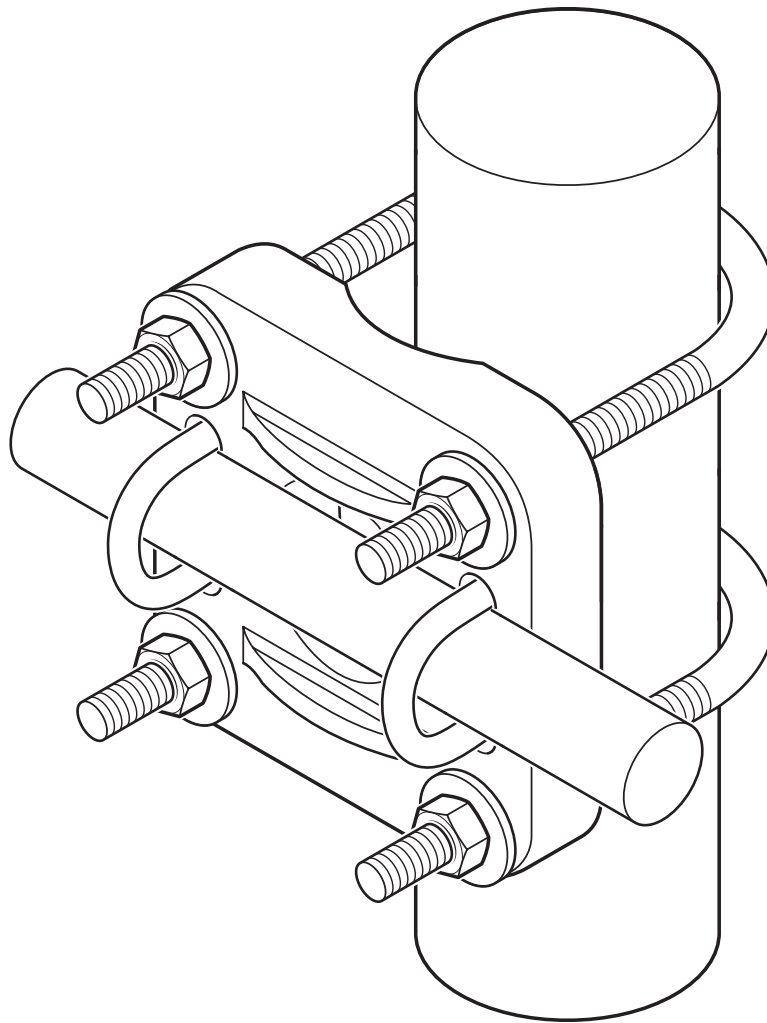
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Drawings

Schematic diagram

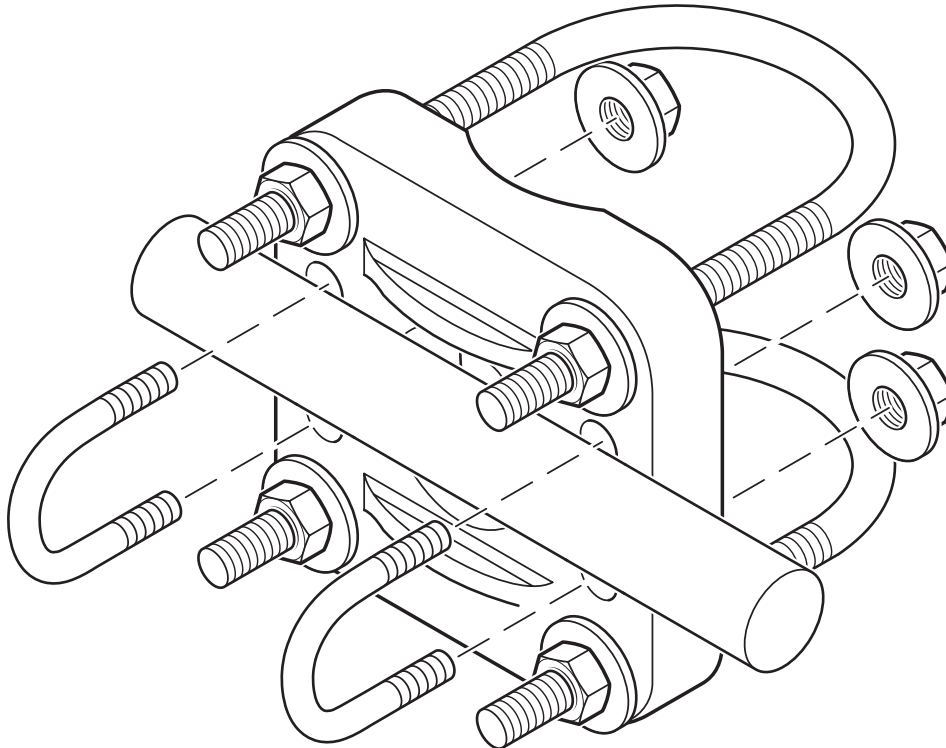


Mast mounting

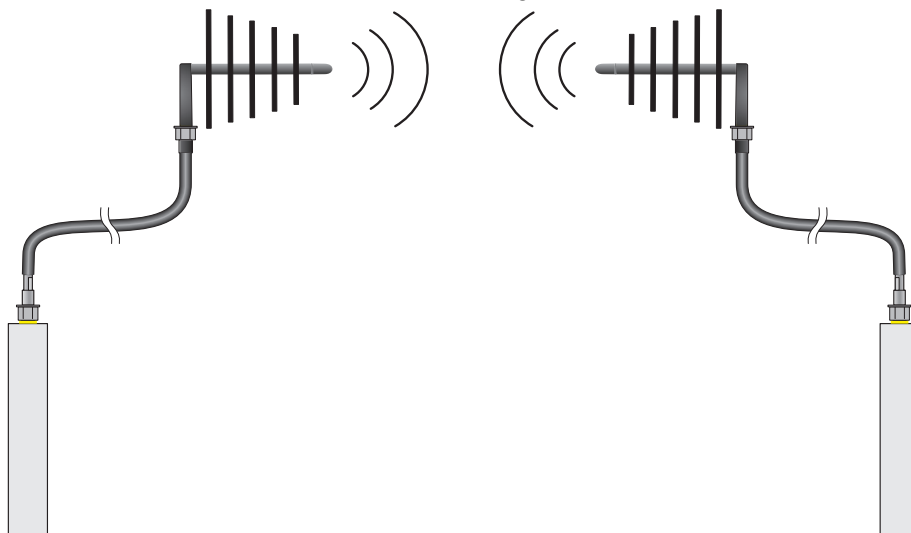
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Schematic diagram



Schematic diagram



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Classifications

ECLASS

ECLASS-13.0	19070105
ECLASS-15.0	19070105

ETIM

ETIM 9.0	EC001698
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UNSPSC

UNSPSC 21.0	43223100
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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