

# 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

2867814

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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)

### 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

Cable length	0.60 m
Connecting cable	yes

### Environmental and real-life conditions

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2867814

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## Ambient conditions

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

## Mounting

Mounting type	Mast mounting
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# RAD-ISM-900-ANT-YAGI-6.5-N - Antenna

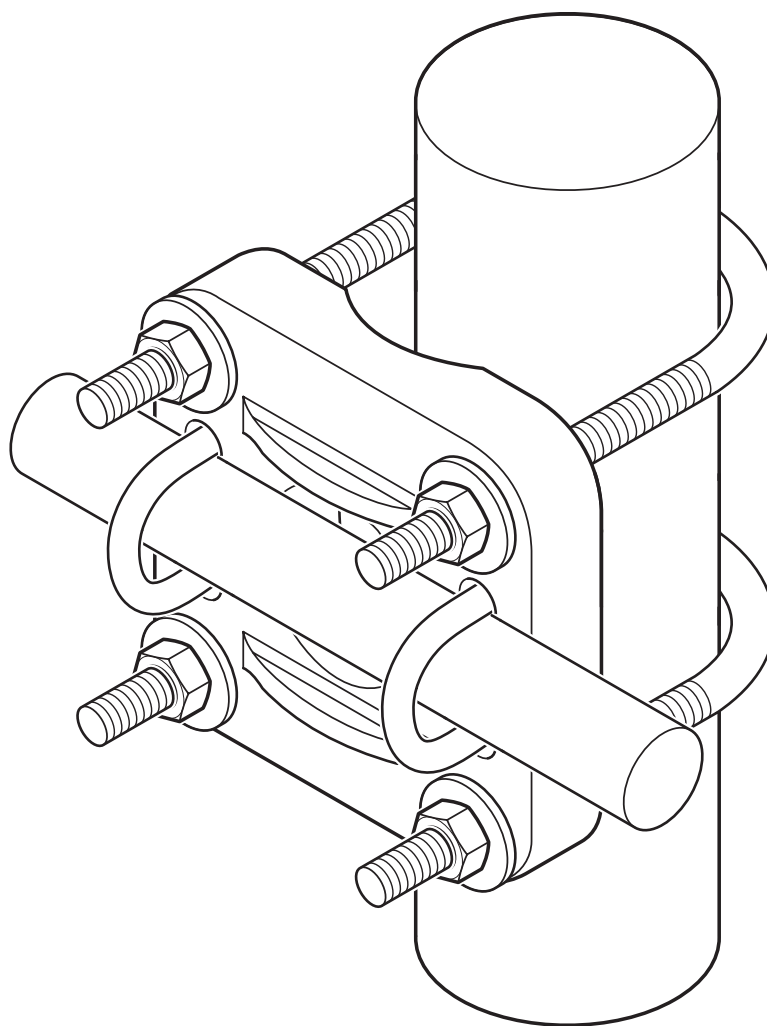


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## Drawings

Schematic diagram



Mast mounting

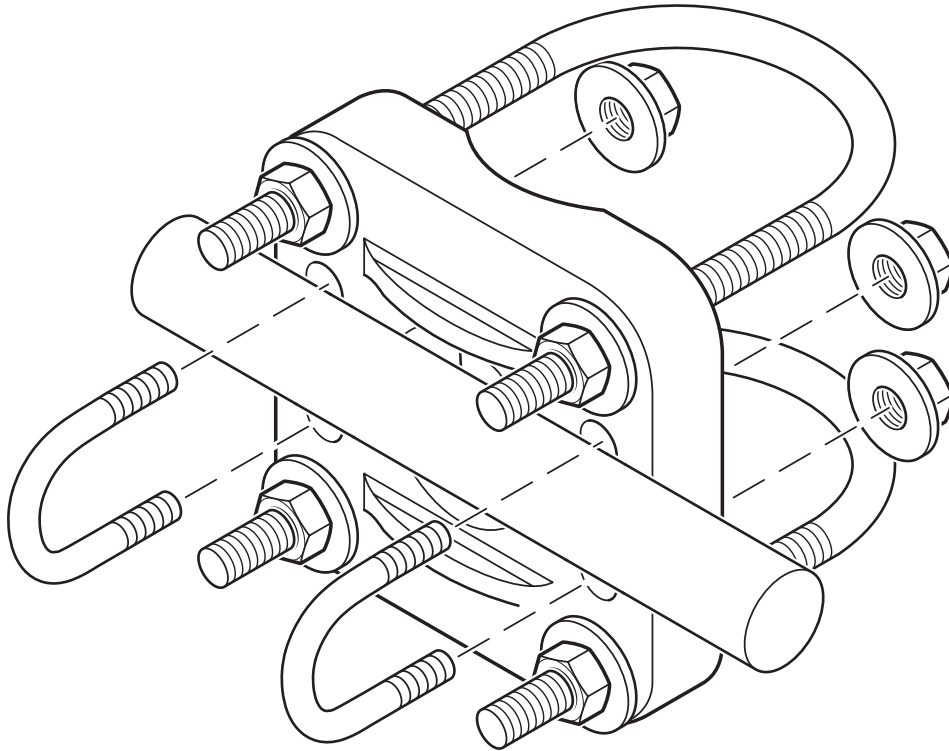
# RAD-ISM-900-ANT-YAGI-6.5-N - Antenna



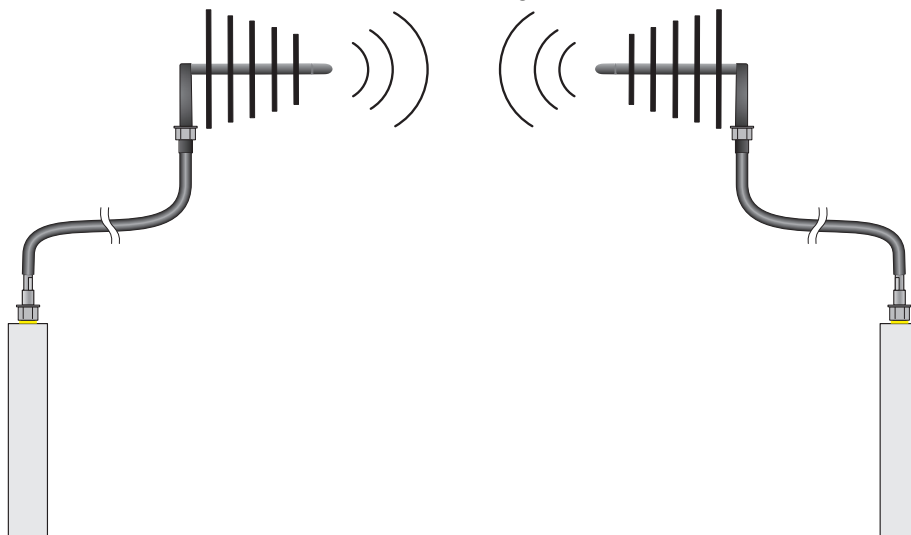
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Schematic diagram



Schematic diagram



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2867814

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## Classifications

### ECLASS

ECLASS-13.0	19070105
ECLASS-15.0	19070105

### ETIM

ETIM 10.0	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

### EF3.1 Climate Change

CO2e kg	18.904 kg CO2e
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