

# RAD-ISM-900-ANT-YAGI-10-N - Antenna



5606614

<https://www.phoenixcontact.com/us/products/5606614>

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Directional antenna, 868 MHz/900 MHz, gain: 12.15 dBi, polarization: linear, opening angle: h/v 56°/46°, degree of protection: IP65, connection: N (female), including mounting bracket and mast clamps

## Your advantages

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

## Commercial data

Item number	5606614
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN23
Product key	DNC6A3
GTIN	4046356686419
Weight per piece (including packing)	1.7 g
Weight per piece (excluding packing)	1,208 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	12.15 dBi
Vertical beamwidth	46 °
Horizontal beamwidth	56 °
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	609.6 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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## 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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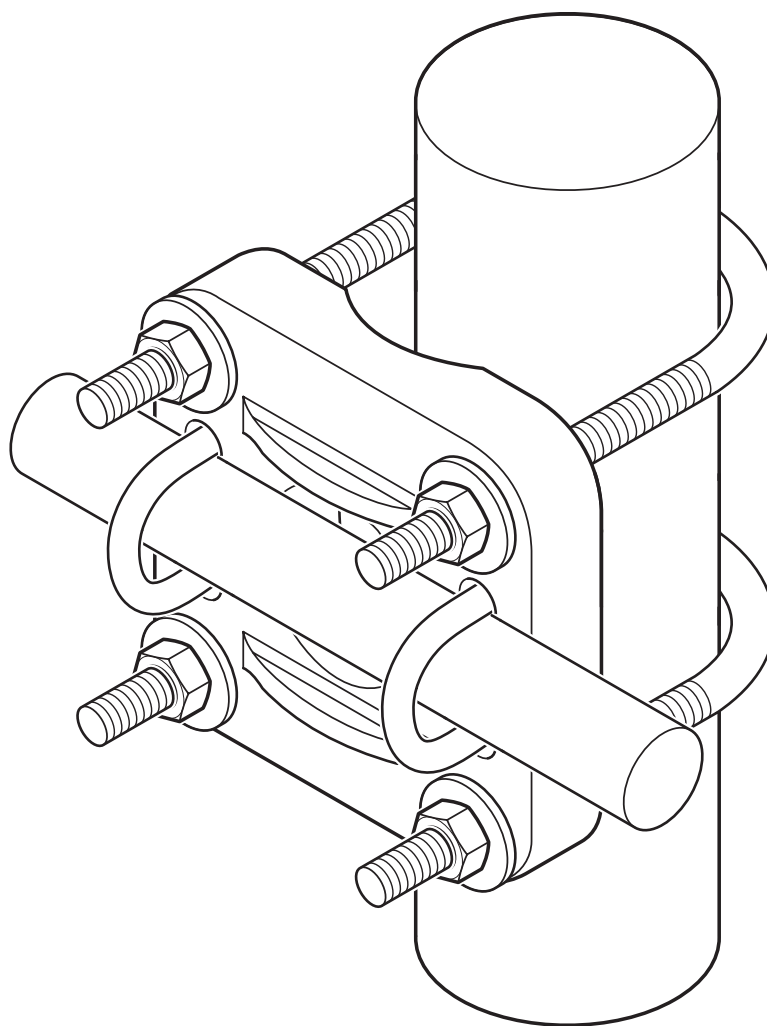
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## Drawings

Schematic diagram



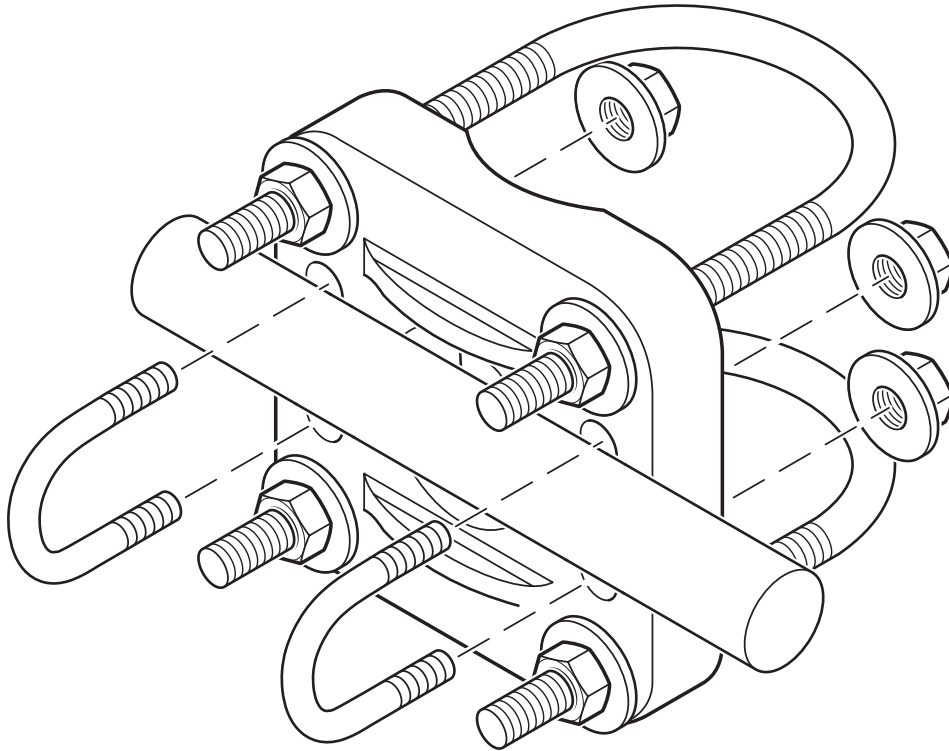
Mast mounting

# RAD-ISM-900-ANT-YAGI-10-N - Antenna

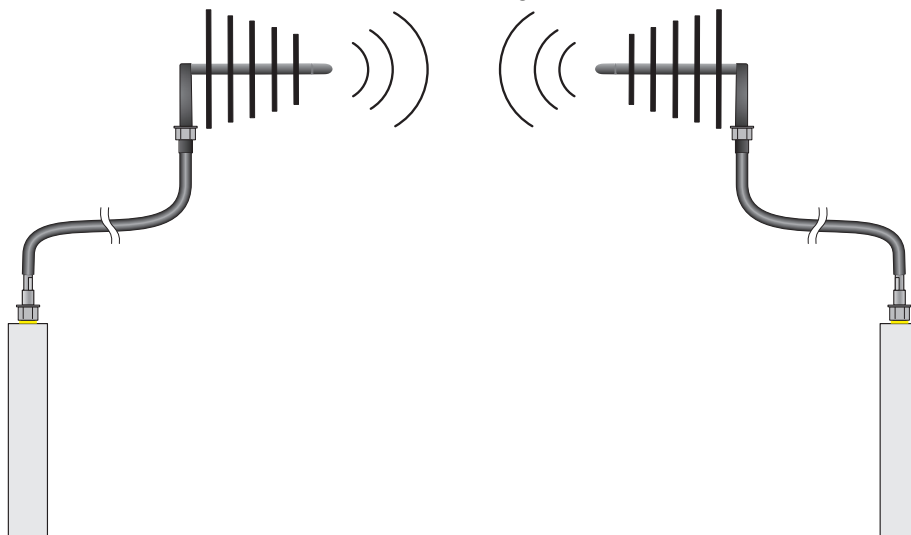
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Schematic diagram



Schematic diagram



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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	06b83fe4-056e-4bb5-8090-886cd2b31d19

### EF3.1 Climate Change

CO2e kg	0.761 kg CO2e
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