

# 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: 8.5 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
Catalog page	Page 390 (C-6-2019)
GTIN	4017918976699
Weight per piece (including packing)	1,321.1 g
Weight per piece (excluding packing)	1,236 g
Customs tariff number	85177000
Country of origin	US

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## Technical data

### Product properties

Product type	Antenna
Gain	8.5 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

### 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

#### 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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Connection method	N (female) with cable (0.6 m)
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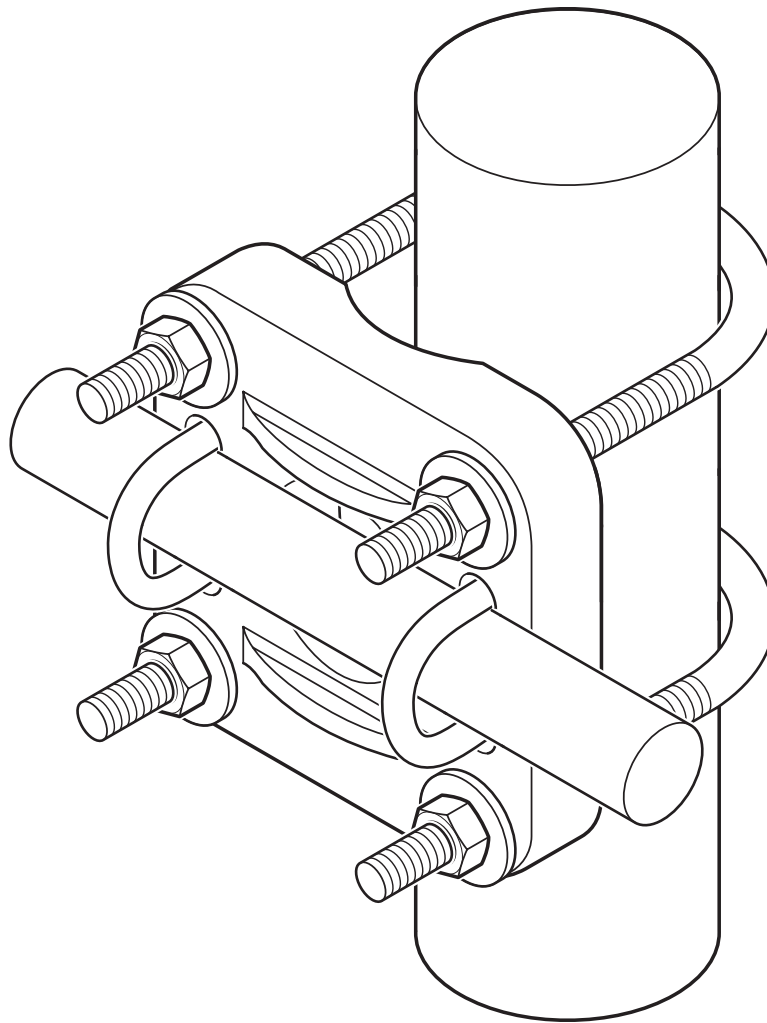
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## Drawings

Schematic diagram

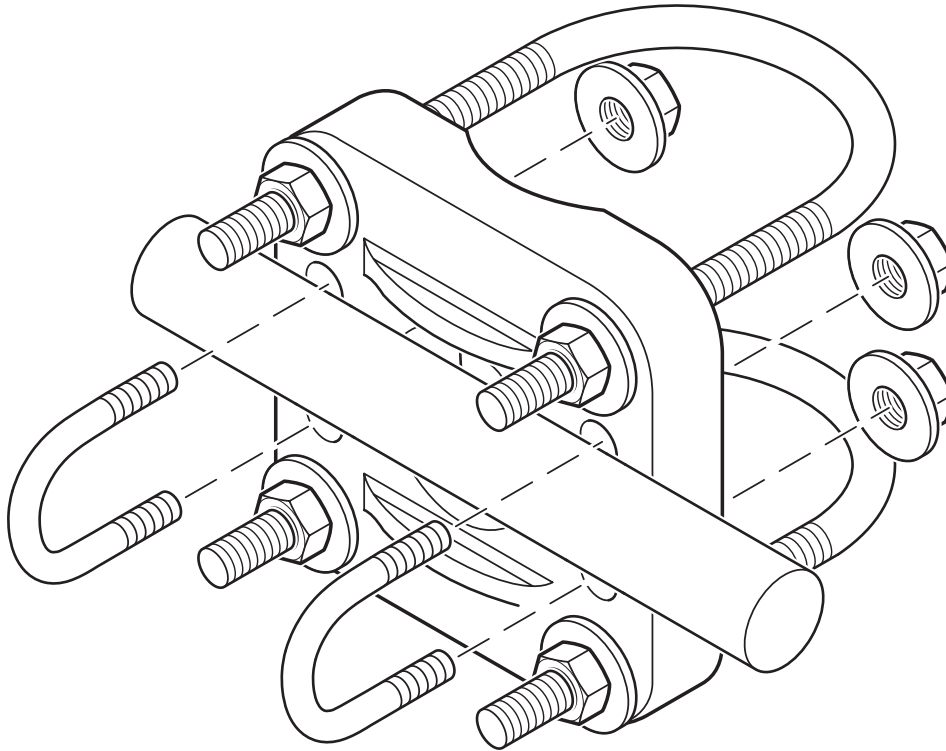


Mast mounting

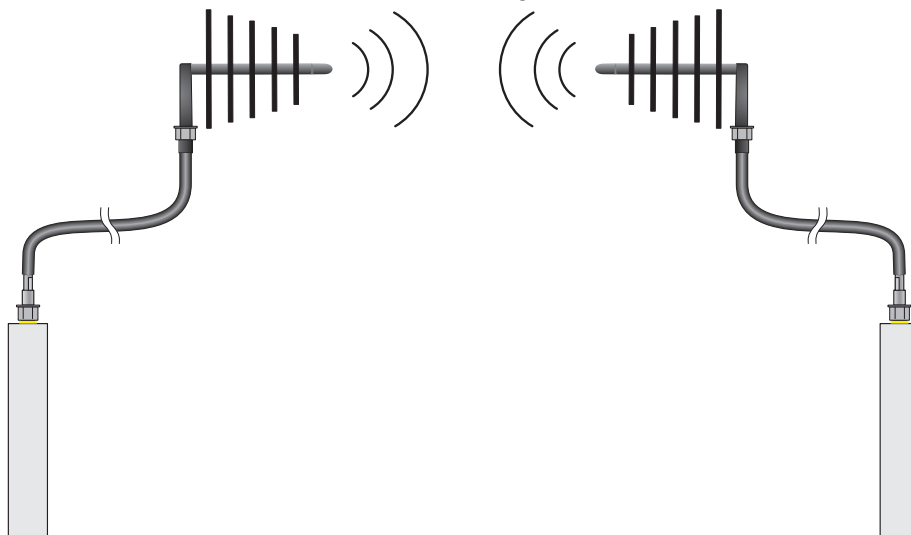
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Schematic diagram



Schematic diagram



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## Classifications

### ECLASS

ECLASS-11.0	19070105
ECLASS-12.0	19070105
ECLASS-13.0	19070105

### ETIM

ETIM 8.0	EC001698
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### UNSPSC

UNSPSC 21.0	43223100
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## Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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