

# 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 |
|---------------------|-------------------------|

### 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) |
|------------------|------------------------|

### 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 |
|---------------|---------------|

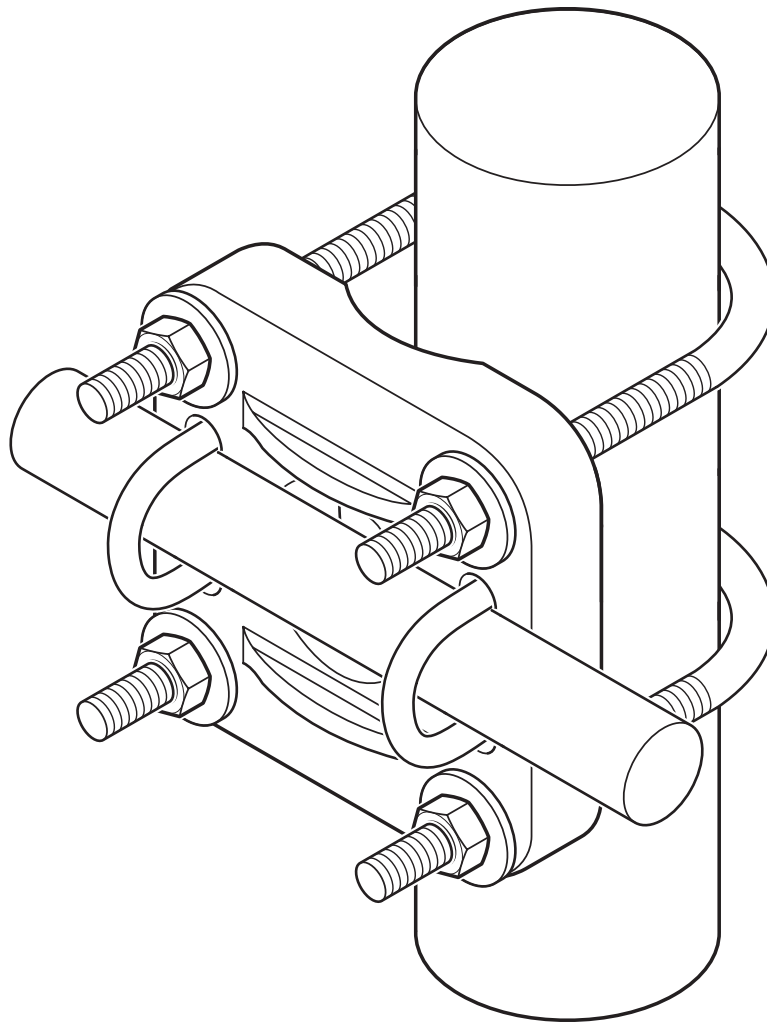
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## Drawings

Schematic diagram



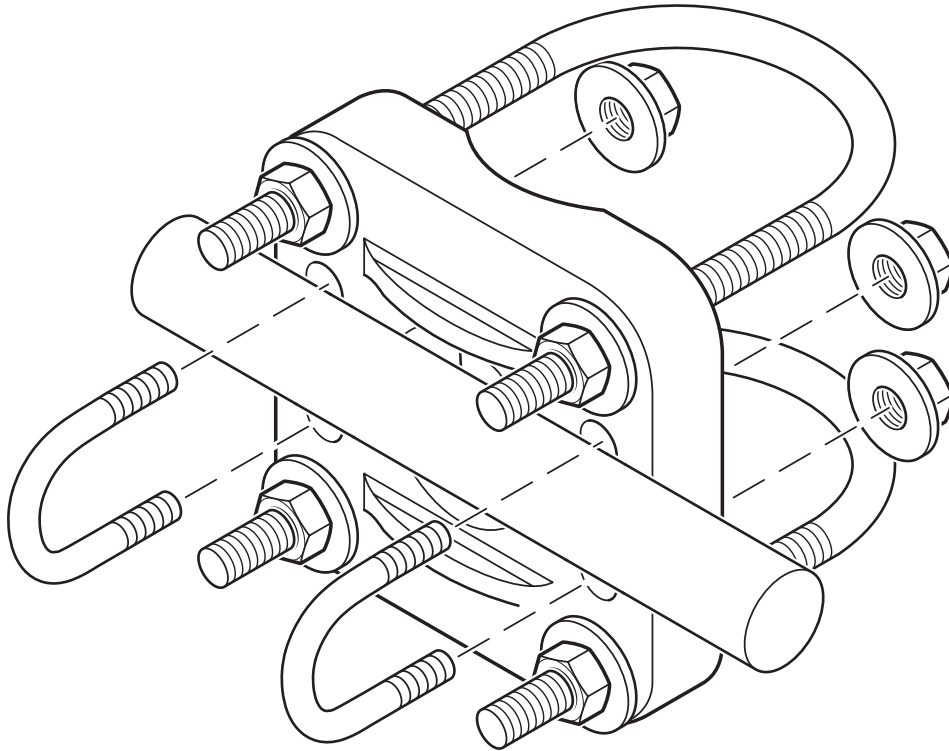
Mast mounting

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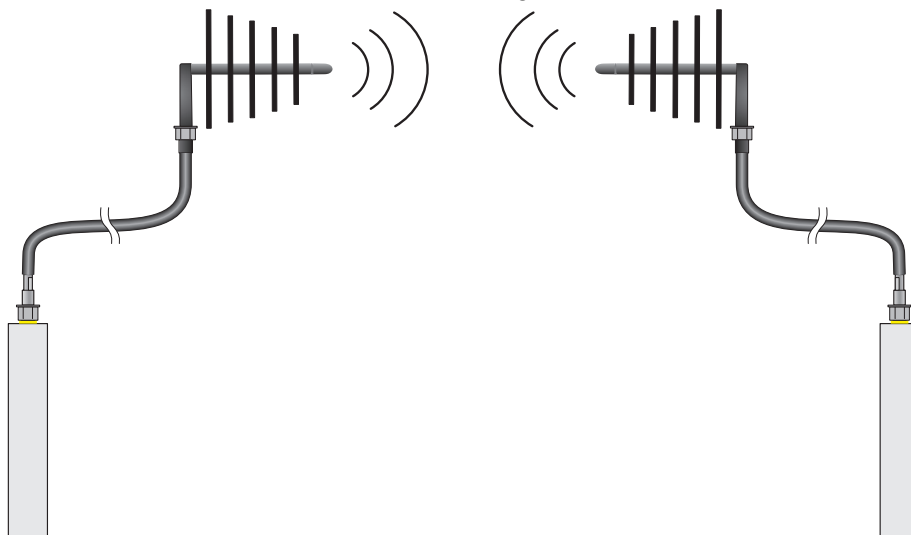
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Schematic diagram



Schematic diagram



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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 19070105 |
| ECLASS-15.0 | 19070105 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC001698 |
|-----------|----------|

### 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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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)