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

2867814

https://www.phoenixcontact.com/us/products/2867814

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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 |

# Technical data

## Notes

Note on application

| | |
|---|---|
| Note on application | Only for industrial use |

## 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) |

## Material specifications

| | |
|---|---|
| Material | Aluminum |
| | V2A |
| | V2A |

## Cable/line

| | |
|---|---|
| Cable length | 0.60 m |
| Connecting cable | yes |

## Environmental and real-life conditions

Ambient conditions

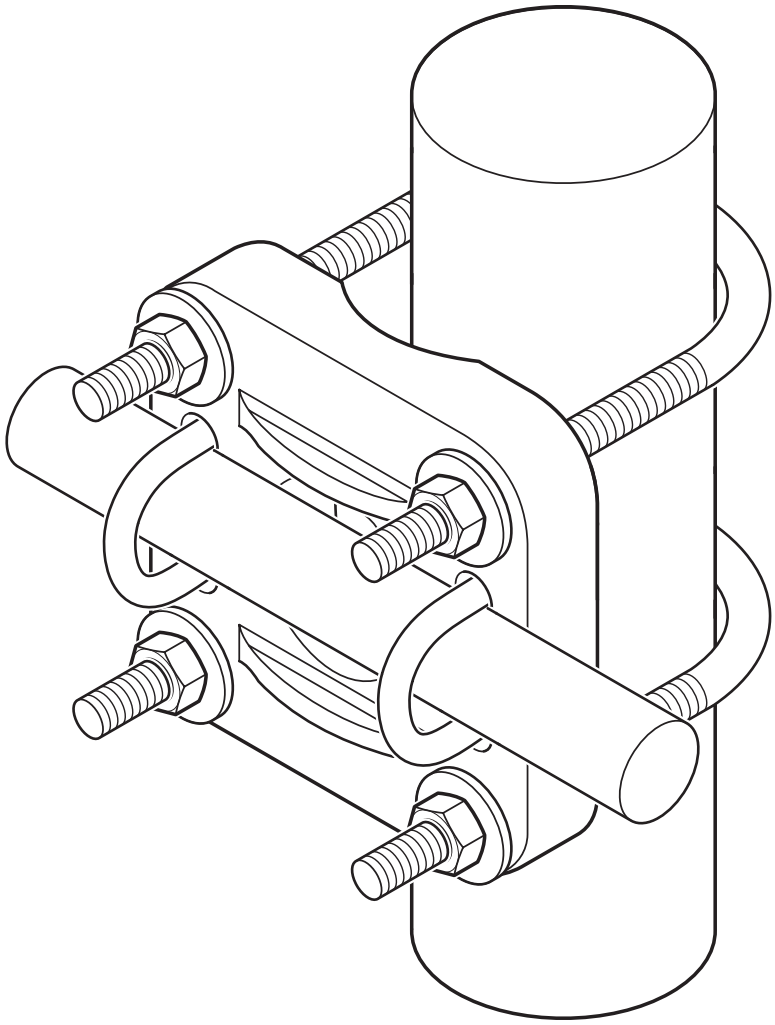
| | |
|---|---|
| Degree of protection | IP65 |
| Ambient temperature (operation) | -40 °C ... 80 °C |
| Wind velocity | 240 km/h |

## Mounting

| | |
|---|---|
| Mounting type | Mast mounting |

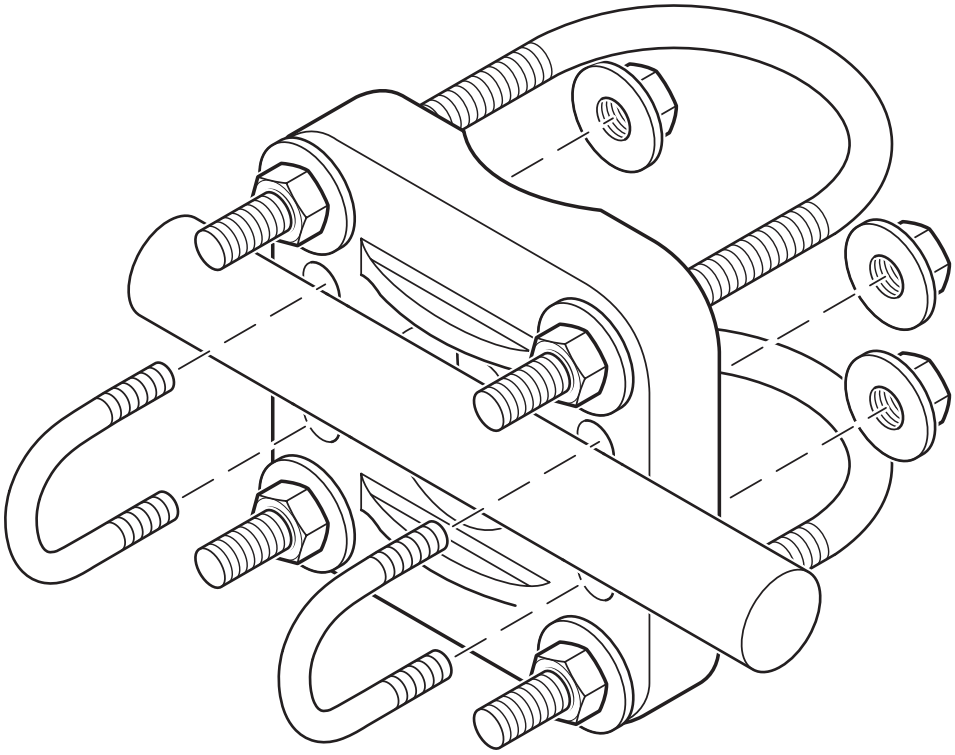
## Drawings

Schematic diagram

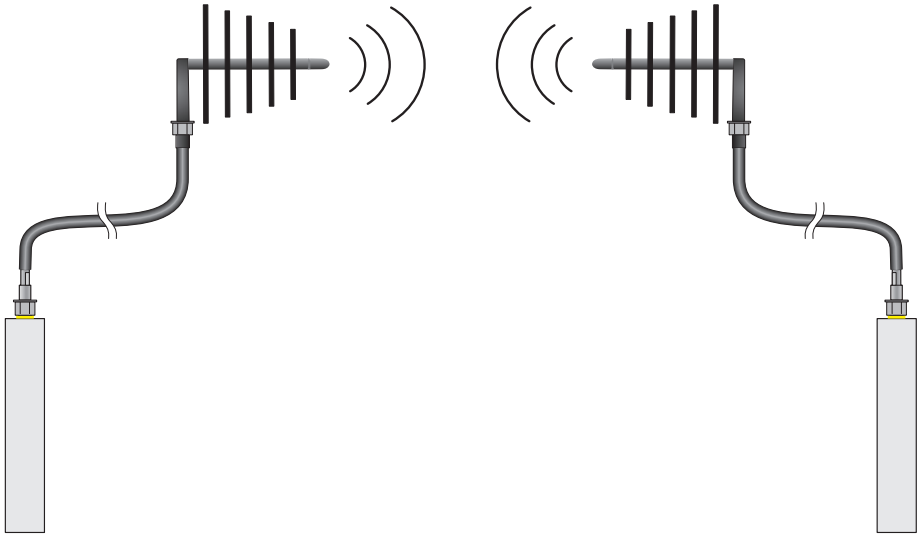


Mast mounting

Schematic diagram



Schematic diagram



## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 43223100 |

## 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 |

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

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