

# Antenna - RAD-900-ANT-OMNI-2-2-RSMA



2904801

<https://www.phoenixcontact.com/pc/products/2904801>

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Omnidirectional antenna, 900 MHz, gain: 2 dBi, polarization: linear, degree of protection: IP65, connection: RSMA (male), incl. 1.8 m / 6 ft. connecting cable and mounting bracket for wall mounting

## Your advantages

- For freely mobile applications
- For multipoint or mesh connections

## Commercial Data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 2904801             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Product Key                          | DNC6A3              |
| Catalog Page                         | Page 395 (C-6-2019) |
| GTIN                                 | 4046356902113       |
| Weight per Piece (including packing) | 125.7 g             |
| Weight per Piece (excluding packing) | 124.5 g             |
| Customs tariff number                | 85177100            |
| Country of origin                    | US                  |

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## Technical Data

### Product properties

|                      |                 |
|----------------------|-----------------|
| Product type         | Antenna         |
| Gain                 | 2.15 dBi        |
| Vertical beamwidth   | N/A             |
| Horizontal beamwidth | 360 °           |
| Polarization         | Linear vertical |

### Electrical properties

|                 |         |
|-----------------|---------|
| Frequency band  | 900 MHz |
| Frequency range | 900 MHz |
| Impedance       | 50 Ω    |

### Connection data

#### Connection technology

|                   |             |
|-------------------|-------------|
| Connection method | RSMA (male) |
|-------------------|-------------|

### Dimensions

|        |        |
|--------|--------|
| Width  | 0.3 cm |
| Height | 8.9 cm |

### Material specifications

|          |                       |
|----------|-----------------------|
| Material | V2A (Antenna housing) |
|          | V2A (Bracket)         |

### Cable / line

|                  |     |
|------------------|-----|
| Connecting cable | yes |
|------------------|-----|

### Environmental and real-life conditions

#### Ambient conditions

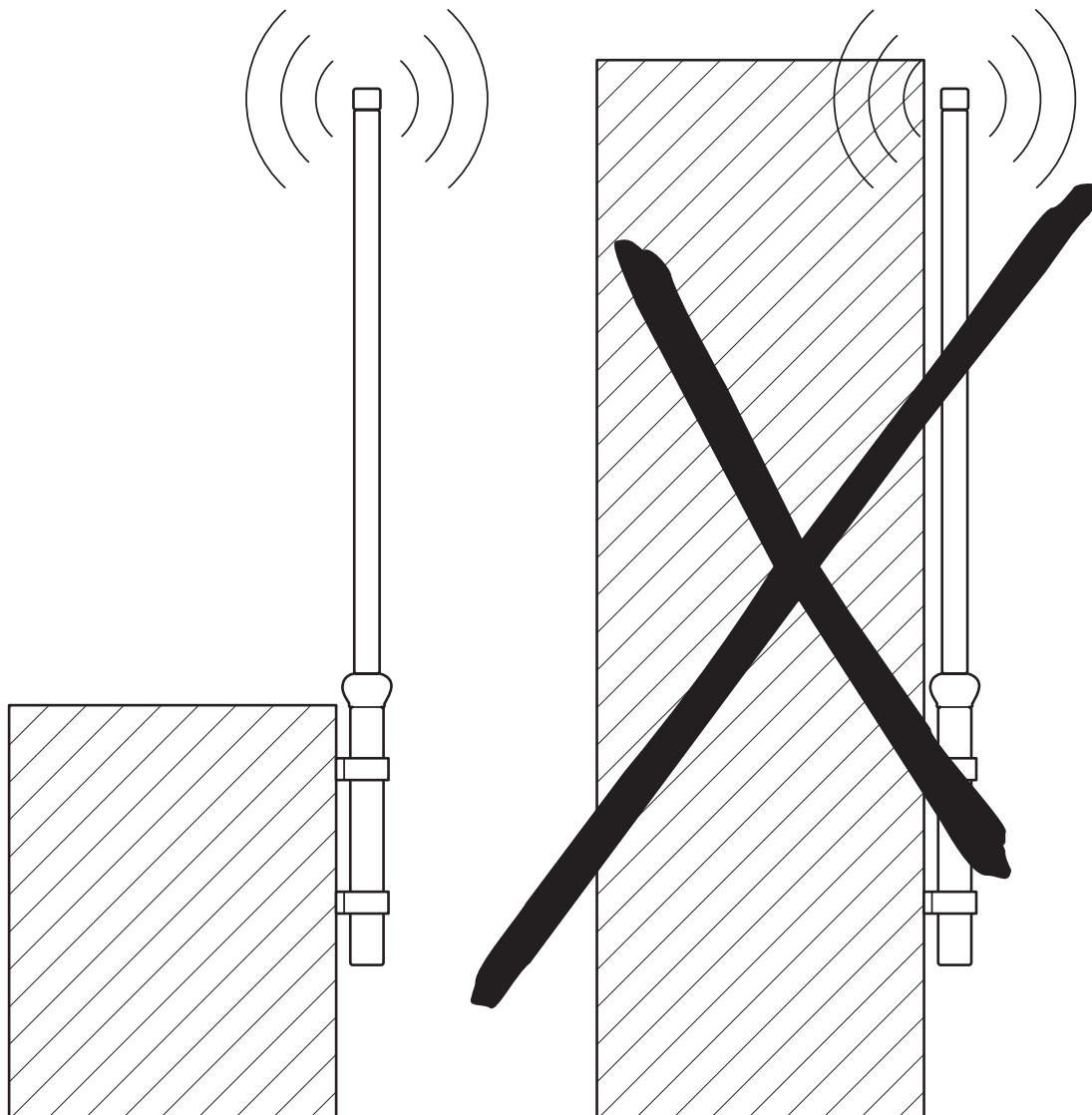
|                                 |                  |
|---------------------------------|------------------|
| Degree of protection            | IP65             |
| Ambient temperature (operation) | -40 °C ... 75 °C |

### Mounting

|               |               |
|---------------|---------------|
| Mounting type | Wall mounting |
|---------------|---------------|

Drawings

Schematic diagram



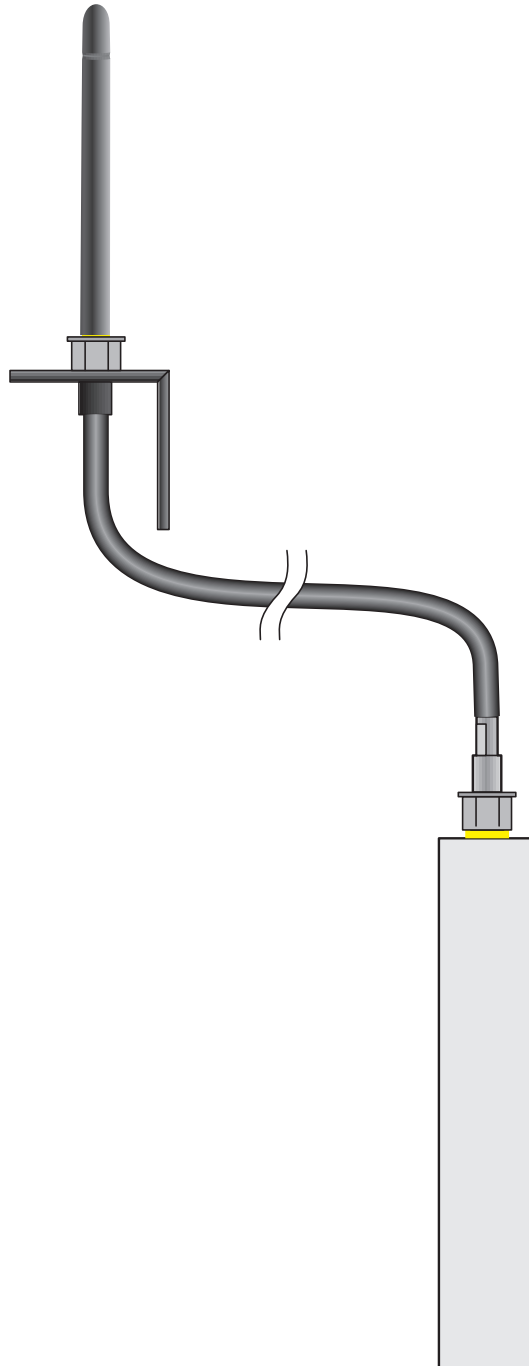
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Schematic diagram



Installation example

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## Classifications

### ECLASS

|               |          |
|---------------|----------|
| ECLASS-9.0    | 19070105 |
| ECLASS-10.0.1 | 19070105 |
| ECLASS-11.0   | 19070105 |

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC001698 |
|----------|----------|

### UNSPSC

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

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## Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

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