

TC ANT MOBILE WALL 5M - Antenna



2702273

<https://www.phoenixcontact.com/us/products/2702273>

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Multiband omnidirectional antenna for wall or mast mounting, 0.6 GHz ... 6 GHz, gain: 3 dBi ... 7 dBi, degree of protection: IP66, connection: SMA (male), incl. 5 m connecting cable, mounting bracket, and mast clamps

Your advantages

- Ideally suited for freely mobile or stationary applications in 2G/3G/4G/5G cellular networks
- Future-proof, thanks to the use of lead-free materials
- Including 5 m connection cable

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2702273 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | DN23 |
| Product key | DNC4Z1 |
| GTIN | 4055626070186 |
| Weight per piece (including packing) | 416.9 g |
| Weight per piece (excluding packing) | 372 g |
| Customs tariff number | 85177100 |
| Country of origin | GB |

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Technical data

Notes

Note on application

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

Product properties

| | |
|---------------------------|-----------------------------|
| Product type | Antenna |
| Radiation characteristics | Omnidirectional |
| Gain | 4 dBi (617 MHz ... 960 MHz) |
| | 3 dBi (1.7 GHz ... 2.7 GHz) |
| | 5 dBi (3.4 GHz ... 3.8 GHz) |
| | 7 dBi (4.9 GHz ... 6.0 GHz) |
| Vertical beamwidth | 52 ° (850 MHz) |
| | 39 ° (2.1 GHz) |
| | 51 ° (3.5 GHz) |
| | 39 ° (5.5 GHz) |
| Horizontal beamwidth | 360 ° |
| Polarization | Linear vertical |

Electrical properties

| | |
|---|---------------------|
| Frequency band | 700 MHz |
| | 800 MHz |
| | 850 MHz |
| | 900 MHz |
| | 1700 MHz |
| | 1800 MHz |
| | 1900 MHz |
| | 2100 MHz |
| | 2600 MHz |
| | 3600 MHz |
| Frequency range | 617 MHz ... 960 MHz |
| | 1.7 GHz ... 6 GHz |
| Impedance | 50 Ω |
| Maximum capacity | 10.00 W |
| Voltage standing wave ratio VSWR in a 50 Ω system | ≤ 2.50 |

Connection data

Connection technology

| | |
|-------------------|------------|
| Connection method | SMA (male) |
|-------------------|------------|

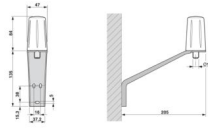
Dimensions

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| | |
|---------------------|--|
| Dimensional drawing |  |
| Height | 82 mm |
| Diameter | 48 mm |

Material specifications

| | |
|--|--------------------------------|
| Color | black (RAL 9005) |
| Material (Radom) | Acrylonitrile styrene acrylate |
| Material (Base plate) | Aluminum |
| Flammability rating according to UL 94 | HB |
| Outer sheath, material | CS29 (Ultra-Low Loss) |

Cable/line

| | |
|---|---|
| Cable length | 5.00 m |
| Connecting cable | yes |
| External cable diameter | 5.00 mm |
| Outer sheath, material | CS29 (Ultra-Low Loss) |
| Smallest bending radius, fixed installation | 25 mm |
| Other resistance | UV-resistant in accordance with UL746C, f1 (Use in outdoor installations) |

Environmental and real-life conditions

Ambient conditions

| | |
|---|------------------|
| Degree of protection | IP66 |
| Ambient temperature (operation) | -40 °C ... 85 °C |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Wind velocity | 220 km/h |

Standards and regulations

| | |
|------------------|---|
| Other resistance | UV-resistant in accordance with UL746C, f1 (Use in outdoor installations) |
|------------------|---|

Mounting

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

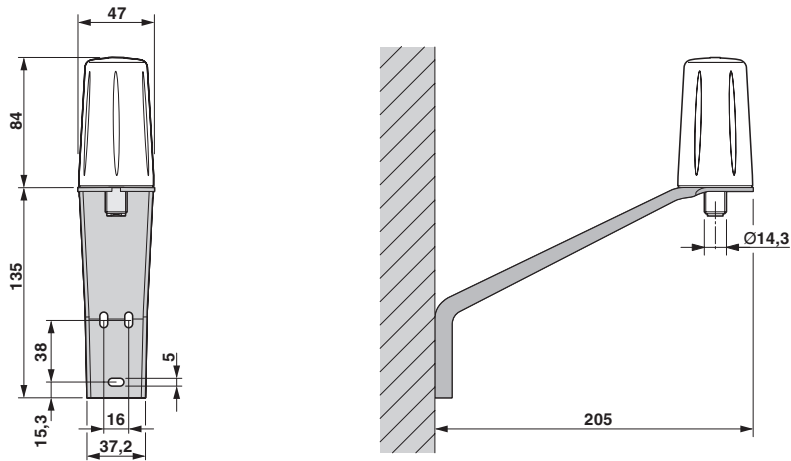
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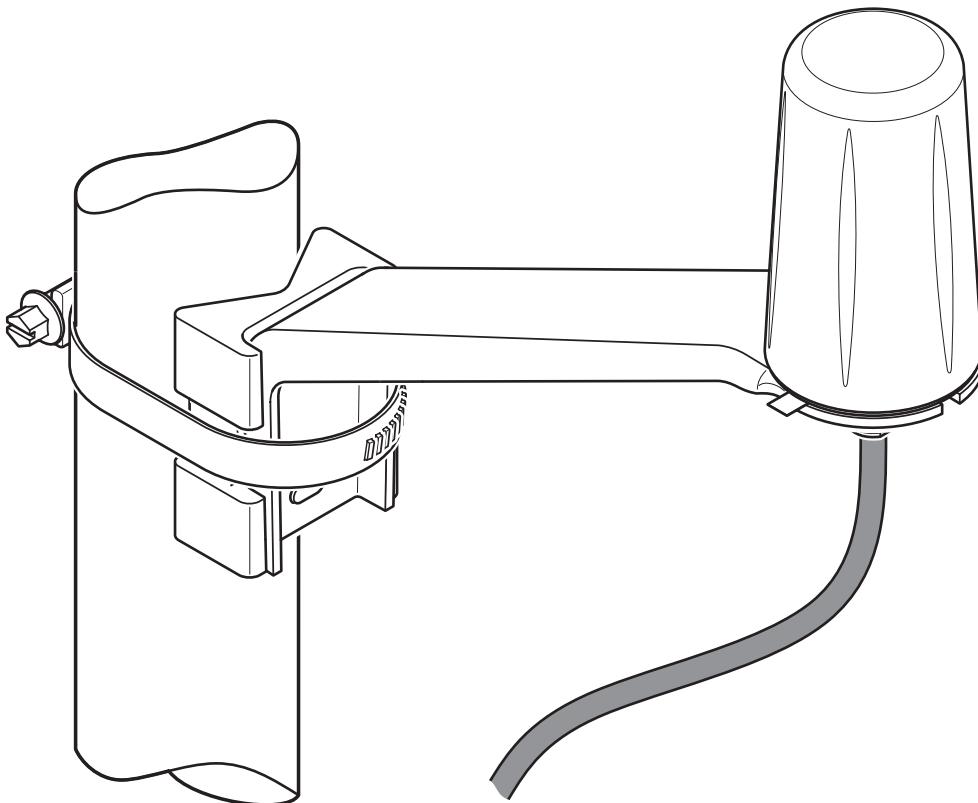
Drawings

Dimensional drawing



Panel mounting

Schematic diagram



Mast mounting

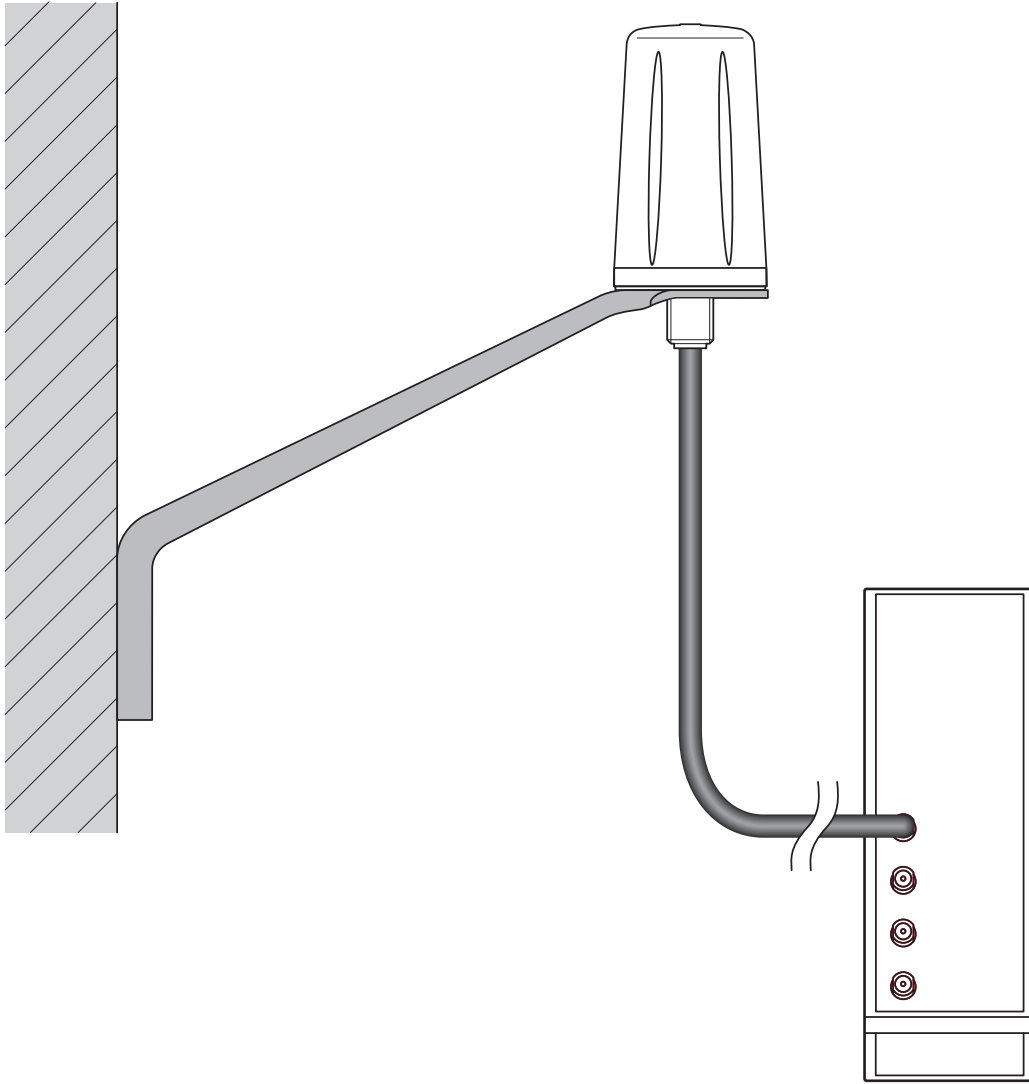
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Schematic diagram



Installation example

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Classifications

ECLASS

ECLASS-13.0

19070105

ETIM

ETIM 9.0

EC001698

UNSPSC

UNSPSC 21.0

43223100

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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