

# 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
Catalog page	Page 415 (C-6-2019)
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

### 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

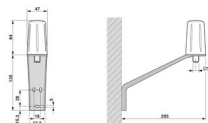
Frequency band	700 MHz
	800 MHz
	850 MHz
	900 MHz
	1700 MHz
	1800 MHz
	1900 MHz
	2100 MHz
	2600 MHz
	3600 MHz
Frequency range	617 MHz ... 960 MHz
	1.7 GHz ... 6 GHz
Impedance	50 $\Omega$
Maximum capacity	10.00 W

### Connection data

#### Connection technology

Connection method	SMA (male)
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### Dimensions

Dimensional drawing	
Height	82 mm

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Diameter	48 mm
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## Material specifications

Material	ASA, Acrylic ester styrene-acrylonitrile
	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
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## Mounting

Mounting type	Wall mounting
	Mast mounting
Connection method	SMA (male)

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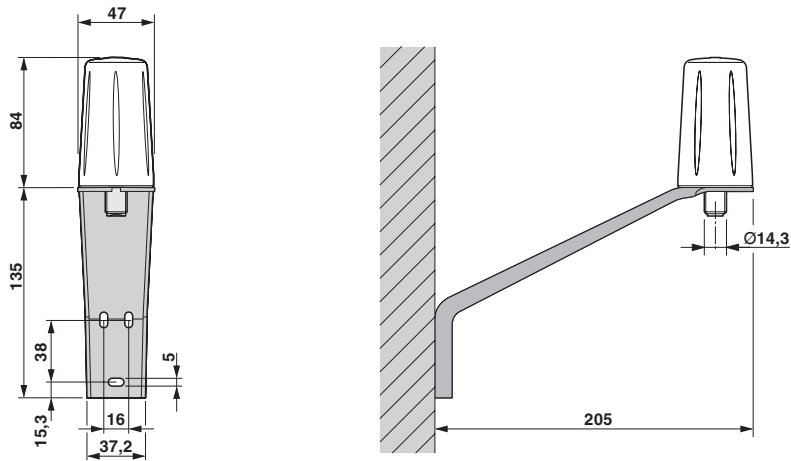


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## Drawings

Dimensional drawing



Wall mounting

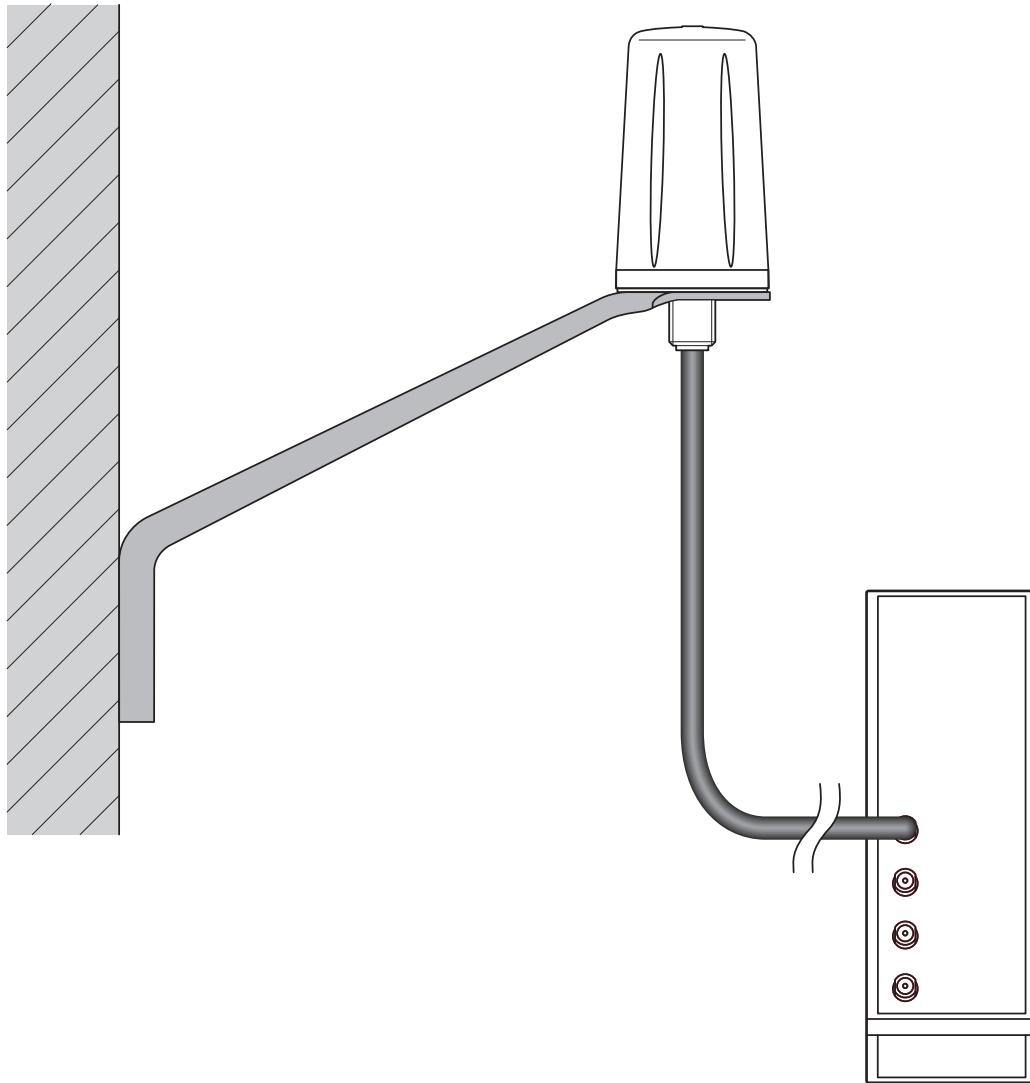
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Schematic diagram



Installation example

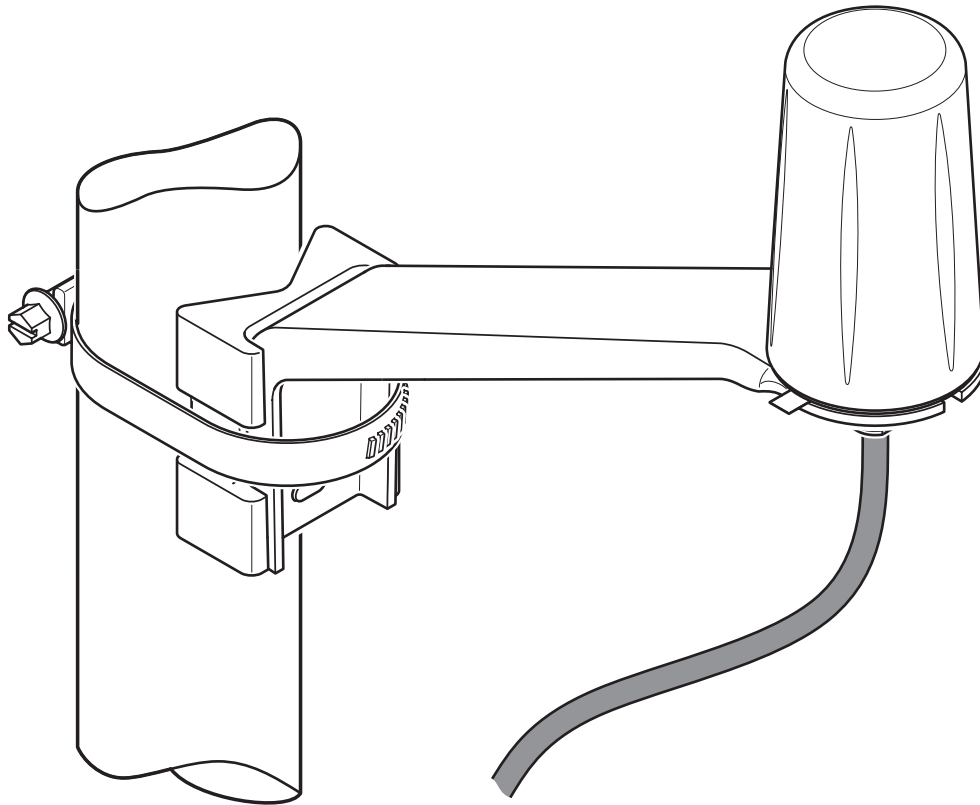
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Schematic diagram



Mast mounting

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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

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

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