

## Antenna - ANT-OMNI-868-01 - 2702136

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Omnidirectional antenna, 868 MHz, gain: 4 dBi, polarization: linear, opening angle: h/v 360°/30°, degree of protection: IP67, seawater-resistant, connection: N (female), incl. mounting bracket and mast clips, ATEX and IECEx approval

### Why buy this product

- For use in potentially explosive areas
- For medium distances
- For freely mobile applications
- For multipoint or mesh connections



### Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4046356995863
Weight per Piece (excluding packing)	285.000 g
Weight per piece (including packing)	285.000 g
Custom tariff number	85177000
Country of origin	Taiwan

### Technical data

#### Dimensions

Height	620 mm
Diameter	20 mm

#### Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 75 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

#### General

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## Technical data

### General

Frequency range	868 MHz
	868 MHz ... 870 MHz
Horizontal beamwidth	360 °
Vertical beamwidth	30 °
Polarization	Linear vertical
Impedance	50 Ω
Gain	4 dBi
Connection method	N (female)
Conformance	CE-compliant
ATEX	# II 1G Ex ia IIC T6 Ga
IECEX	Ex ia IIC T6 Ga
Material	Fiberglass-reinforced plastic (Antenna housing)
	Fiberglass-reinforced plastic (Bracket)
	V2A (U-shaped screw)
Mounting type	Mast mounting or wall mounting
External diameter	30 mm ... 45 mm (Mast)

### Standards and Regulations

Standards/regulations	EN 60079-0
	EN 60079-11
	EN 60079-26
Conformance	CE-compliant
ATEX	# II 1G Ex ia IIC T6 Ga
IECEX	Ex ia IIC T6 Ga

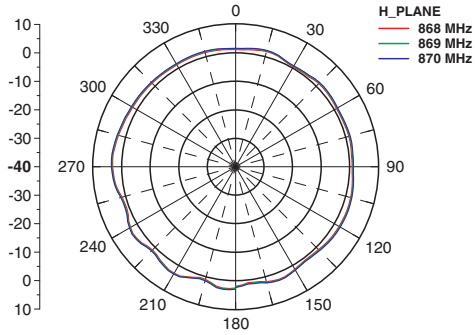
### Environmental Product Compliance

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

## Drawings

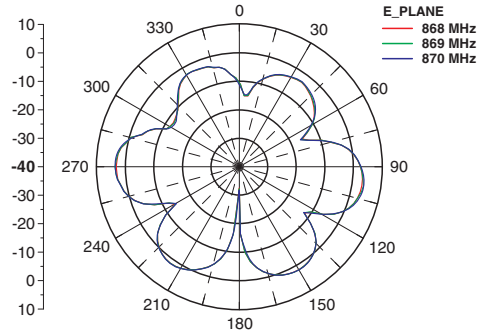
# Antenna - ANT-OMNI-868-01 - 2702136

Diagram



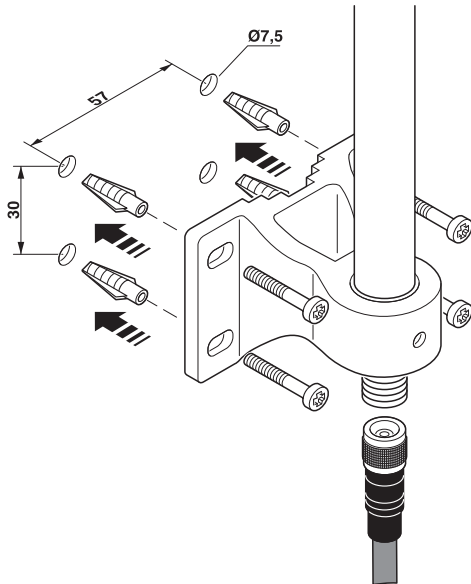
Horizontal

Diagram



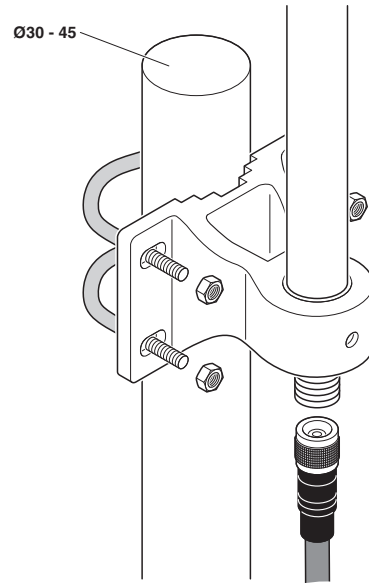
Vertical

Schematic diagram



Wall mounting

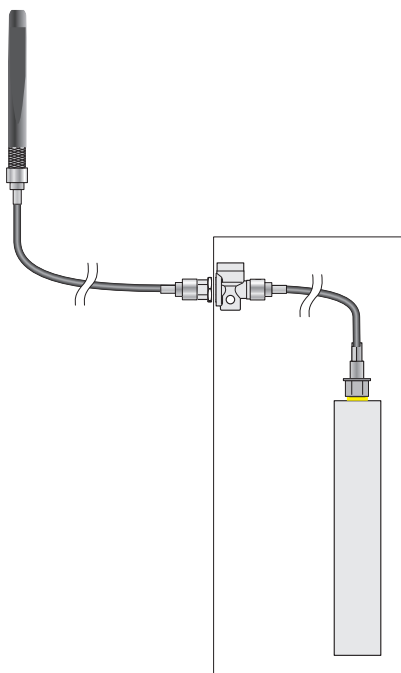
Schematic diagram



Mast mounting

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Schematic diagram



Installation example

## Classifications

eCl@ss

eCl@ss 5.1	19070102
eCl@ss 6.0	27061805
eCl@ss 8.0	19070102
eCl@ss 9.0	19070102

ETIM

ETIM 4.0	EC000416
ETIM 5.0	EC000416
ETIM 6.0	EC000416

## Accessories

Accessories

Trusted Wireless device

Wireless module - RAD-868-IFS - 2904909



Radioline - 868 MHz wireless transceiver with RS-232/RS-485 interface, can be extended with I/O modules, RSMA (female) antenna connection, point-to-point, star, and mesh networks up to 99 stations, range of up to 20 km (with a clear line of sight), for use in Europe

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## Accessories

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