

Antenna - ANT-DIR-2459-01 - 2701186

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Directional antenna, 2.4 GHz/5 GHz, gain: 9 dBi, polarization: linear, opening angle: h/v 75°/55°, 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
- Salt water resistant
- For large distances
- For stationary or linear mobile applications
- For point-to-point connections



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 717182
GTIN	4046356717182
Weight per Piece (excluding packing)	440.000 g
Custom tariff number	85177000
Country of origin	Poland

Technical data

Dimensions

Width	80 mm
Height	101 mm
Length	35 mm

Ambient conditions

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Technical data

Ambient conditions

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

General

With connecting cable	No
Frequency range	2.4 GHz
	5 GHz
	2.4 GHz ... 2.5 GHz
	5.15 GHz ... 5.875 GHz
Horizontal beamwidth	75 ° (at 2.4 GHz)
Vertical beamwidth	55 ° (at 2.4 GHz)
Polarization	Linear vertical
Impedance	50 Ω
Gain	9 dBi
Wind velocity	160 km/h (Has a force of 15 N)
Connection method	N (female)
Conformance	CE-compliant
ATEX	# II 1G Ex ia IIC T6 Ga
IECEX	Ex ia IIC T6 Ga
Material	Lexan EXL 9330 (Antenna housing)
	V2A (Bracket)
	V2A (Mast clip)
Mounting type	Mast mounting or wall mounting
External diameter	25 mm ... 85 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

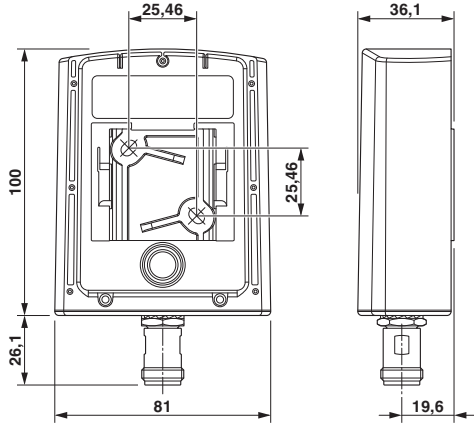
Environmental Product Compliance

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

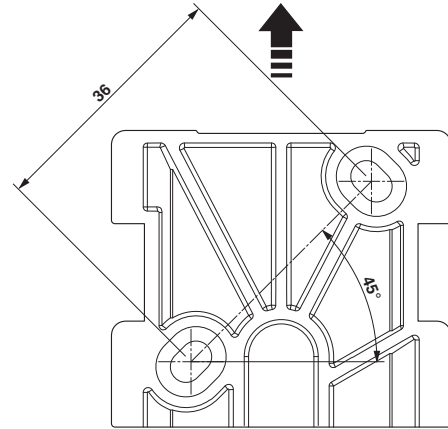
Drawings

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Dimensional drawing

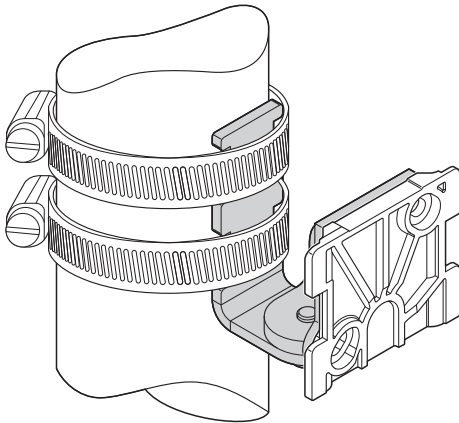


Dimensional drawing



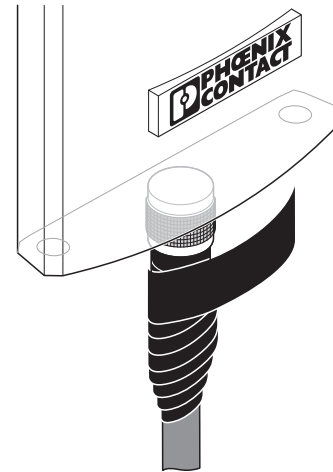
Mounting plate

Schematic diagram



Mast mounting

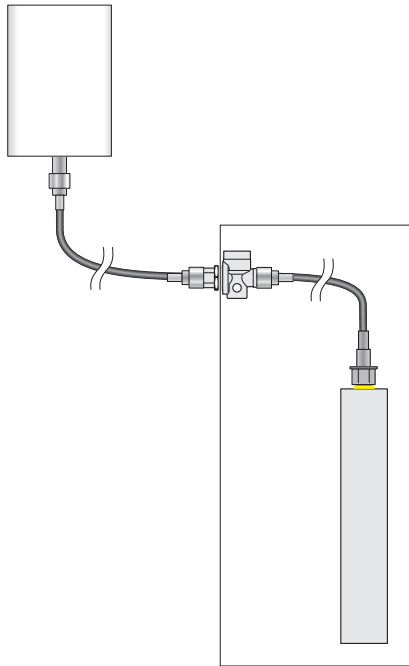
Schematic diagram



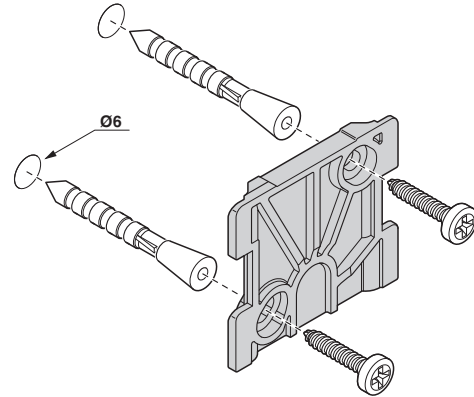
Sealing tape

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Schematic diagram



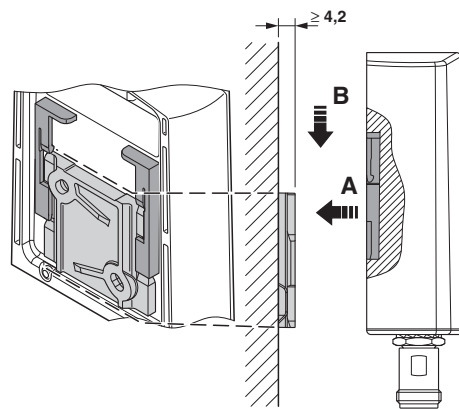
Schematic diagram



Mounting plate

Installation example

Schematic diagram



Wall mounting

Classifications

eCl@ss

eCl@ss 4.0

27240409

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Classifications

eCl@ss

eCl@ss 4.1	27240409
eCl@ss 5.0	27242215
eCl@ss 5.1	27242208
eCl@ss 6.0	27242208
eCl@ss 7.0	27242208
eCl@ss 8.0	19070105
eCl@ss 9.0	19070105

ETIM

ETIM 3.0	EC001423
ETIM 4.0	EC000416
ETIM 5.0	EC001698
ETIM 6.0	EC001698

UNSPSC

UNSPSC 6.01	20142601
UNSPSC 7.0901	20142601
UNSPSC 11	20142601
UNSPSC 12.01	20142601
UNSPSC 13.2	43221715