chanhvinh.com

ANT-OMNI-0671-02 - Antenna

1396318

https://www.phoenixcontact.com/gb/products/1396318

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Multiband omnidirectional antenna with protection against vandalism for control cabinet mounting, frequency band: 0.6 GHz ... 7.1 GHz, gain: 2 dBi ... 4 dBi, degree of protection: IP67, shockproof: IK10, seawater-resistant, connection: N (female)

Your advantages

- Ideally suited for freely mobile or stationary applications in 2G/3G/4G/5G cellular networks
- Universal use with the wide frequency range
- Resistant to salt water
- Impact-resistant housing (IK08)
- Future-proof, thanks to the use of lead-free materials

Commercial data

Item number	1396318
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DNC6A2
Product key	DNC6A2
GTIN	4063151780524
Weight per piece (including packing)	130 g
Weight per piece (excluding packing)	127 g
Customs tariff number	85177100
Country of origin	TW

chanhvinh.com

ANT-OMNI-0671-02 - Antenna

1396318

https://www.phoenixcontact.com/gb/products/1396318

Technical data

Notes

Note on application

Note on application	Only for industrial use

Product properties

Product type	Antenna
Radiation characteristics	Omnidirectional
Gain	2 dBi (617 MHz ... 960 MHz)
	3 dBi (1.7 GHz ... 2.7 GHz)
	4 dBi (3.3 GHz ... 7.1 GHz)
Vertical beamwidth	55 ° (617 MHz ... 960 MHz)
	45 ° (1.7 GHz ... 2.7 GHz)
	30 ° (3.3 GHz ... 7.1 GHz)
Horizontal beamwidth	360 °
Polarization	Linear vertical

Electrical properties

Frequency band	2400 MHz
	868 MHz
	700 MHz
	800 MHz
	850 MHz
	900 MHz
	1700 MHz
	1800 MHz
	1900 MHz
	2100 MHz
	2600 MHz
	3600 MHz
	5 GHz
Frequency range	0.6 GHz ... 7.1 GHz
Impedance	50 Ω
Maximum capacity	10.00 W
Voltage standing wave ratio VSWR in a 50 Ω system	≤ 3.50

Connection data

Connection technology

Connection method	N (female)

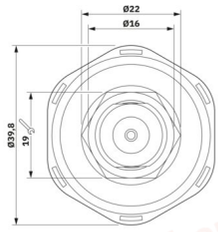
Dimensions

chanhvinh.com

ANT-OMNI-0671-02 - Antenna

1396318

https://www.phoenixcontact.com/gb/products/1396318

Dimensional drawing	
Height	77.7 mm
Diameter	38 mm

Material specifications

Material (Radom)	Polycarbonate
	PBT
Flammability rating according to UL 94	V0

Cable/line

Other resistance	salt water resistant

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Impact strength	IK10
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	salt water resistant

Mounting

Mounting type	Control cabinet mounting
	Panel mounting
Assembly note	Outdoors and indoors

chanhvinh.com

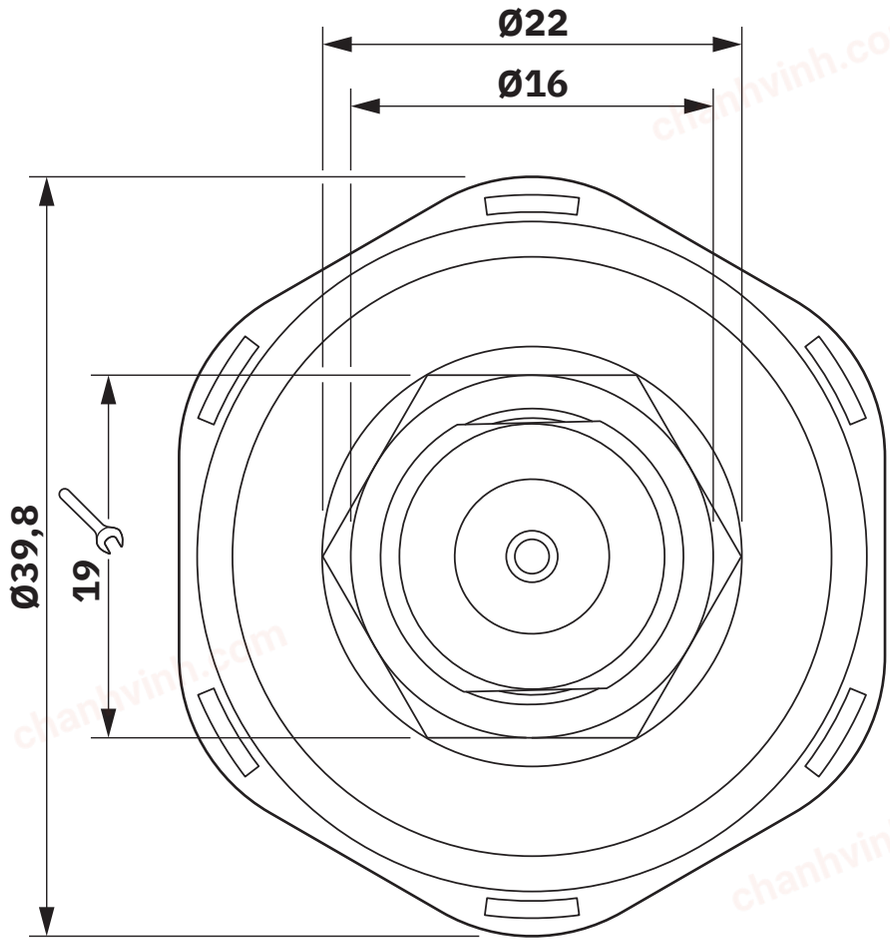
ANT-OMNI-0671-02 - Antenna

1396318

https://www.phoenixcontact.com/gb/products/1396318

Drawings

Dimensional drawing



Dimensional drawing

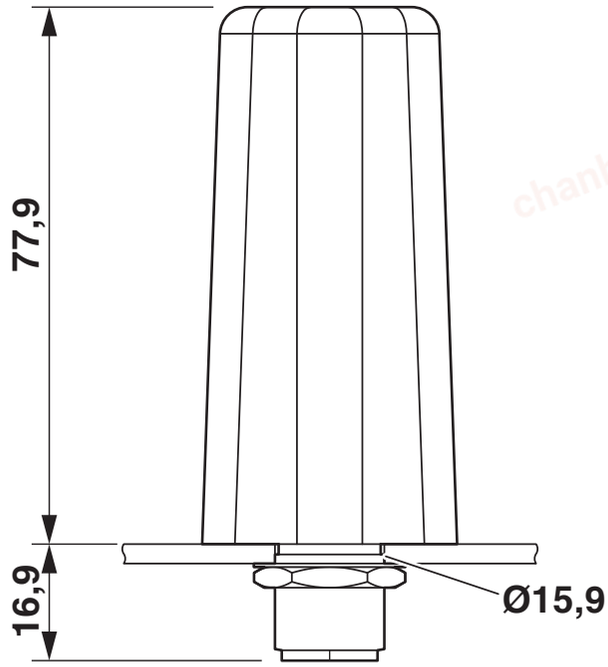
chanhvinh.com

ANT-OMNI-0671-02 - Antenna

1396318

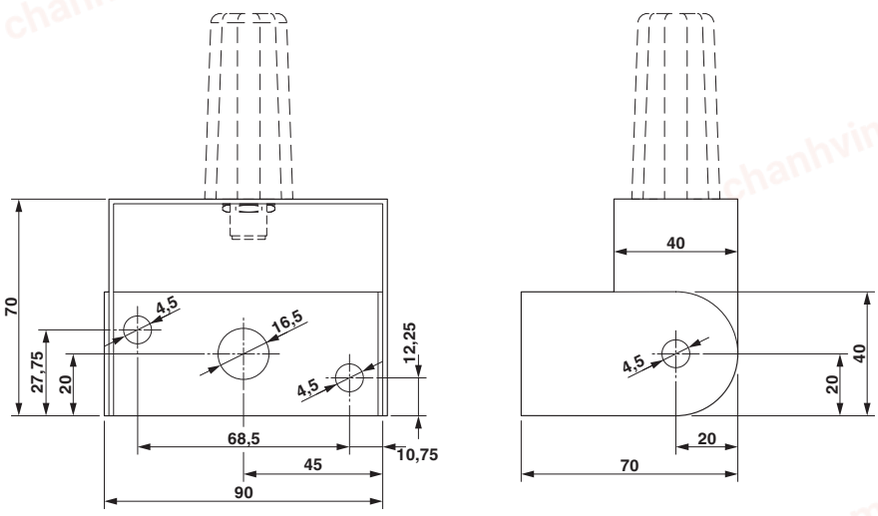
https://www.phoenixcontact.com/gb/products/1396318

Dimensional drawing



Dimensional drawing

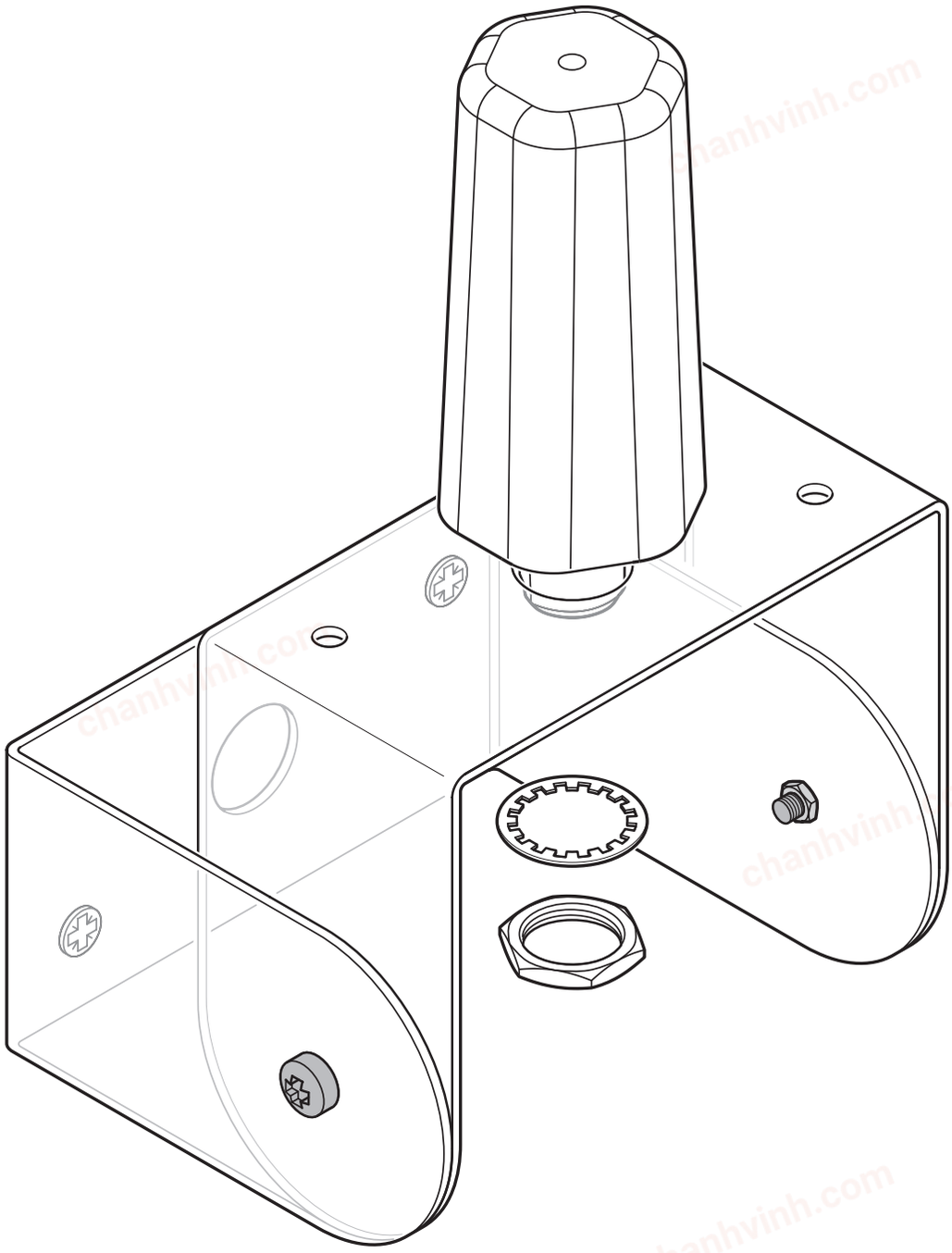
Dimensional drawing



RAD-ANT-VAN-MKT mounting bracket

chanhvinh.com

Schematic diagram



Mounting on a bracket (available as an accessory)

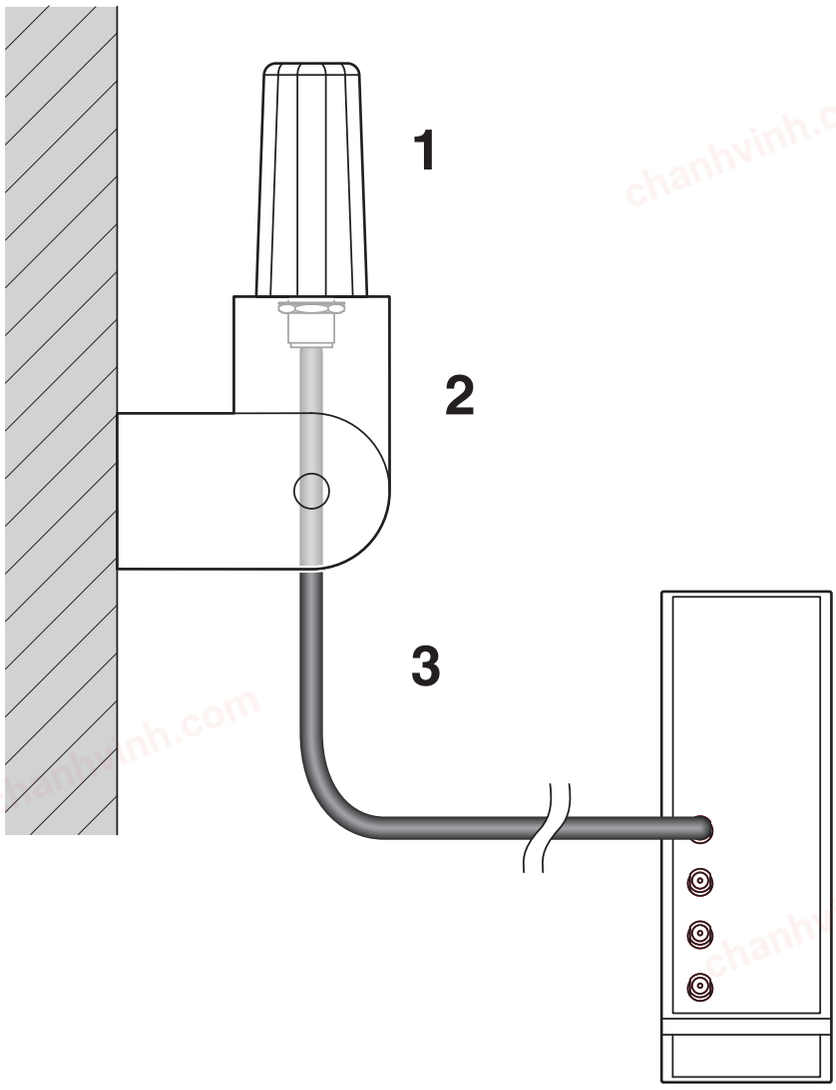
chanhvinh.com

ANT-OMNI-0671-02 - Antenna

1396318

https://www.phoenixcontact.com/gb/products/1396318

Schematic diagram



Installation example (bracket and antenna cable available as accessories)

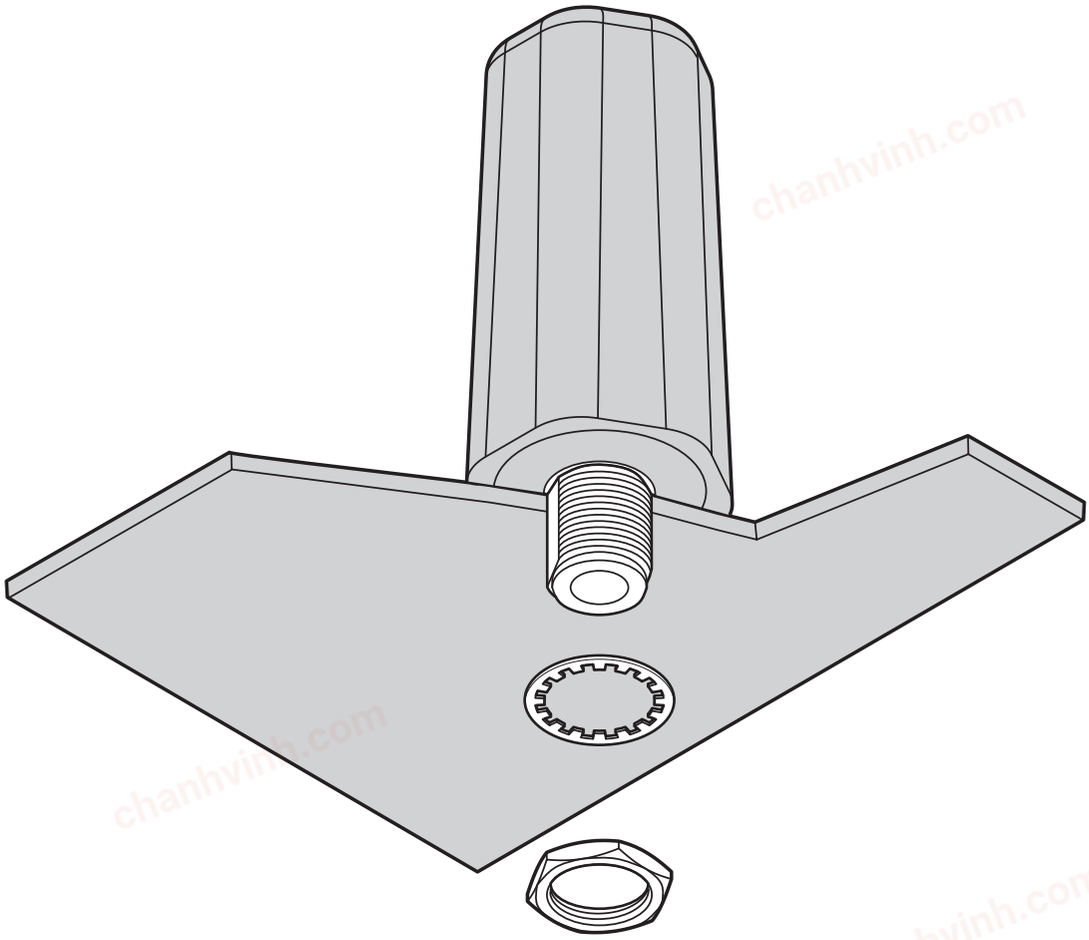
chanhvinh.com

ANT-OMNI-0671-02 - Antenna

1396318

https://www.phoenixcontact.com/gb/products/1396318

Schematic diagram



Mounting on the control cabinet

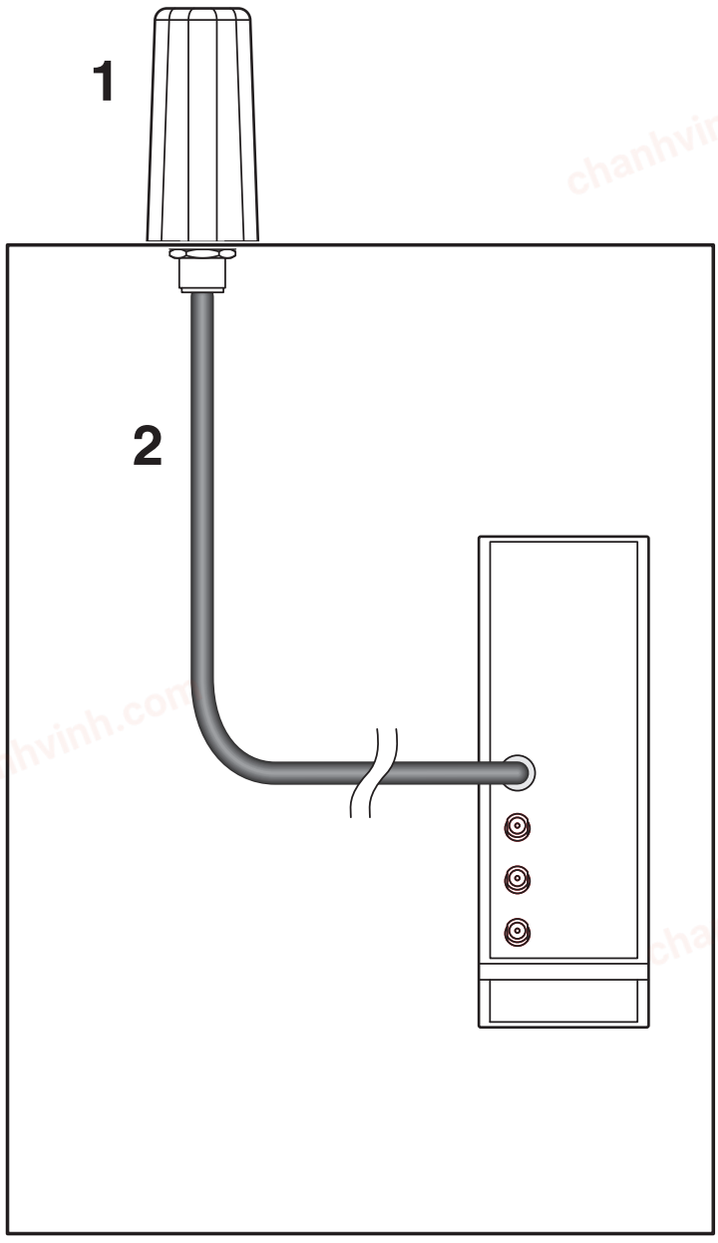
chanhvinh.com

ANT-OMNI-0671-02 - Antenna

1396318

https://www.phoenixcontact.com/gb/products/1396318

Schematic diagram



Installation example (antenna cable available as an accessory)

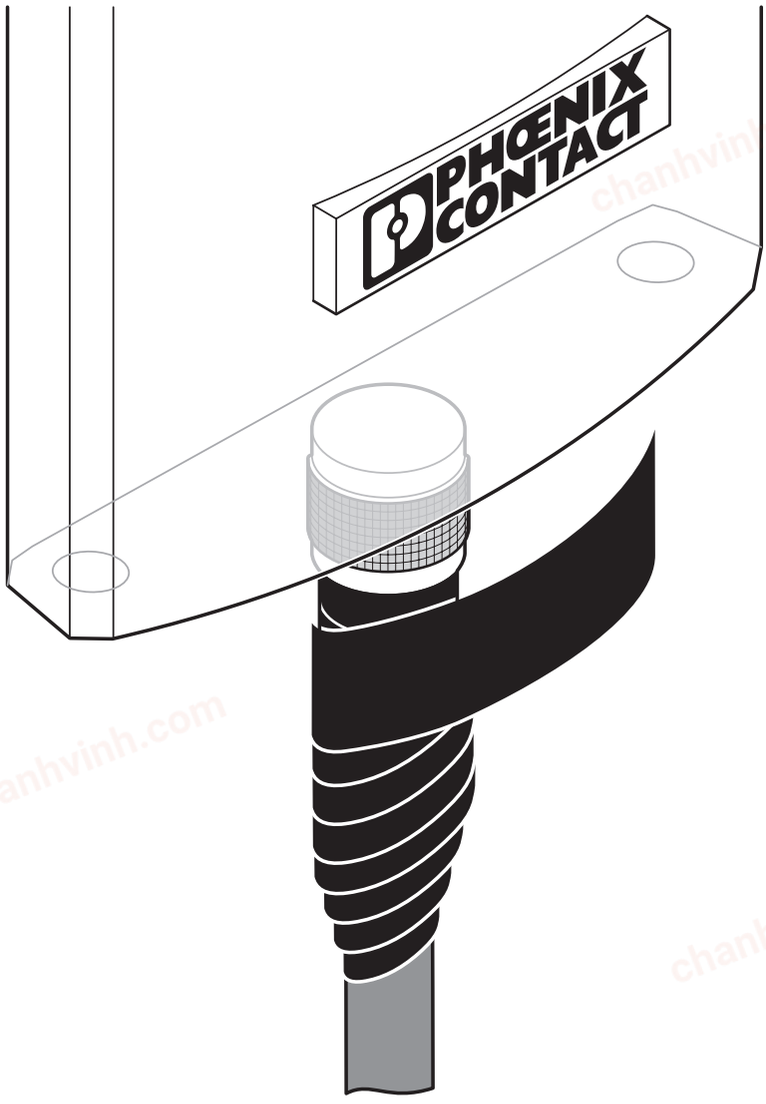
chanhvinh.com

ANT-OMNI-0671-02 - Antenna

1396318

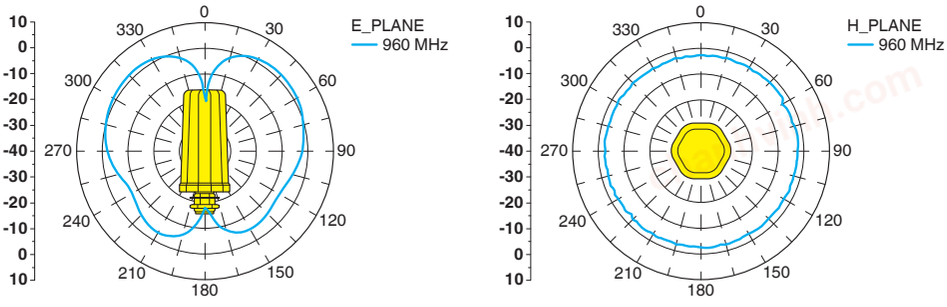
https://www.phoenixcontact.com/gb/products/1396318

Schematic diagram



Sealing tape available as an accessory

Diagram



960 MHz directional characteristics

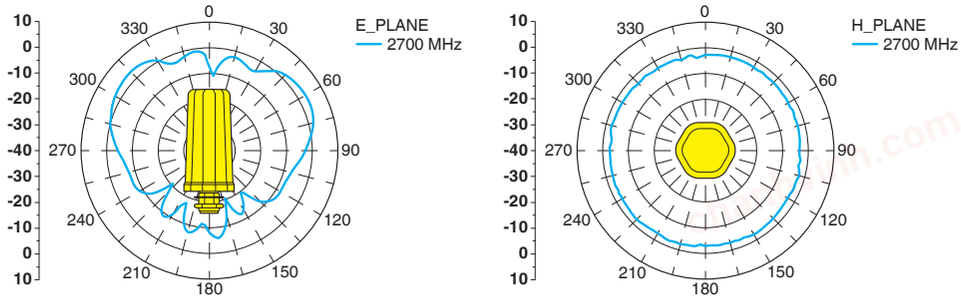
chanhvinh.com

ANT-OMNI-0671-02 - Antenna

1396318

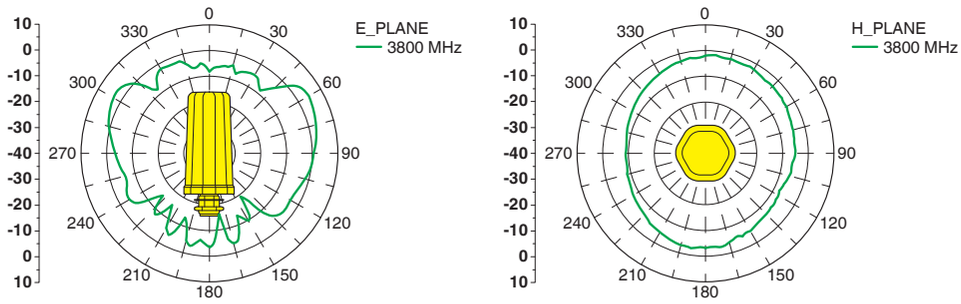
https://www.phoenixcontact.com/gb/products/1396318

Diagram



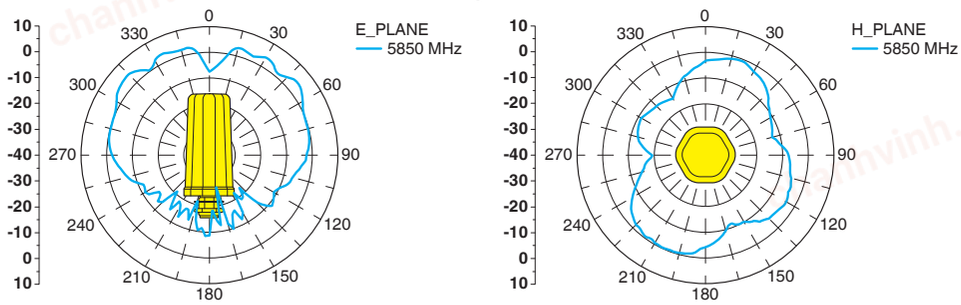
2700 MHz directional characteristics

Diagram



3800 MHz directional characteristics

Diagram



5850 MHz directional characteristics

chanhvinh.com

ANT-OMNI-0671-02 - Antenna

1396318

https://www.phoenixcontact.com/gb/products/1396318

Classifications

ECLASS

ECLASS-13.0	19070105

ETIM

ETIM 9.0	EC001698

chanhvinh.com

ANT-OMNI-0671-02 - Antenna

1396318

https://www.phoenixcontact.com/gb/products/1396318

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%

Phoenix Contact 2025 © - all rights reserved
https://www.phoenixcontact.com

PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk