ANT-OMNI-2459-02 - Antenna

2701408

https://www.phoenixcontact.com/gb/products/2701408

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.



Omnidirectional antenna for control cabinet mounting, frequency band: 2.4 GHz / 5 GHz, gain: 2.5 dBi / 5 dBi, degree of protection: IP68, connection: N (male)

Your advantages

- Ideally suited for freely mobile or stationary applications with 2.4 GHz or 5 GHz

Commercial data

Item number	2701408
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DNN2Z1
Product key	DNN2Z1
GTIN	4046356746731
Weight per piece (including packing)	59.2 g
Weight per piece (excluding packing)	58.5 g
Customs tariff number	85177100
Country of origin	TW

Technical data

Notes

Note on application

Note on application	Only for industrial use

Product properties

Product type	Antenna
Radiation characteristics	Omnidirectional
Gain	2.5 dBi (2.4 GHz)
	5 dBi (5 GHz)
Vertical beamwidth	30 ° (at 2.4 GHz)
	16 ° (at 5 GHz)
Horizontal beamwidth	360 ° (at 2.4 GHz)
	360 ° (at 5 GHz)
Polarization	Linear vertical

Electrical properties

Frequency band	2.4 GHz
	5 GHz
Frequency range	2.4 GHz ... 2.5 GHz
	5.15 GHz ... 5.83 GHz
Impedance	50 Ω
Maximum capacity	2.00 W
Voltage standing wave ratio VSWR in a 50 Ω system	≤ 2.00

Connection data

Connection technology

Connection method	N (male)

Dimensions

Length	180 mm
Diameter	23 mm

Material specifications

Color	black (RAL 9005)
Material	ABS-PC

Cable/line

Connecting cable	no

Environmental and real-life conditions

Ambient conditions

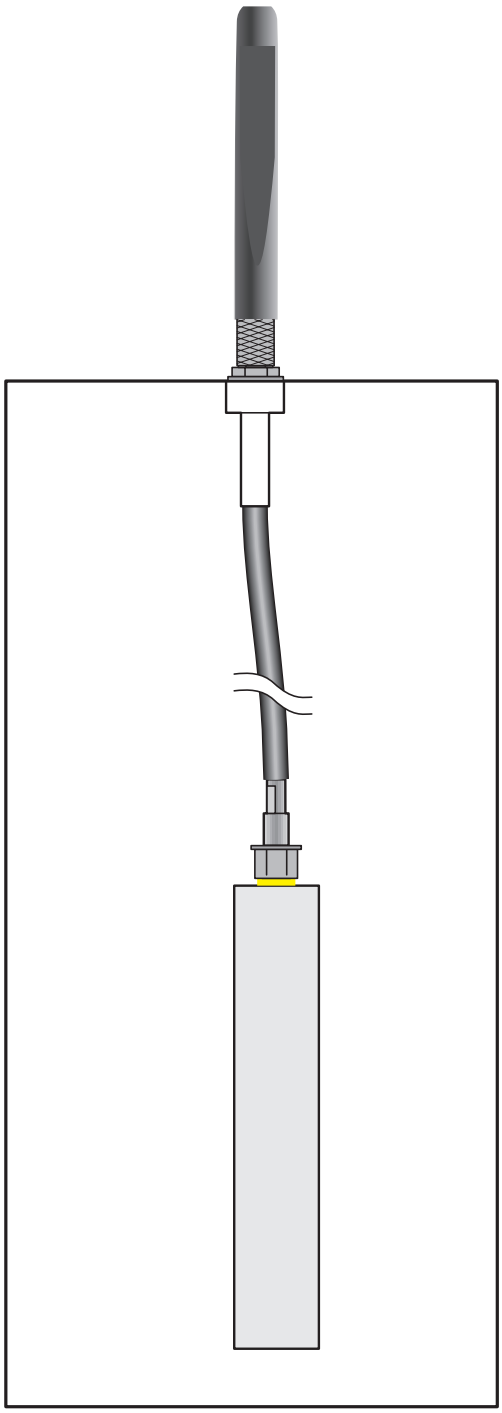
Degree of protection	IP68
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C

Mounting

Mounting type	Control cabinet mounting
Assembly note	Accessories required
	Outdoors and indoors

Drawings

Schematic diagram



Installation example

Classifications

ECLASS

ECLASS-13.0	19070105
ECLASS-15.0	19070105

ETIM

ETIM 10.0	EC001698

UNSPSC

UNSPSC 21.0	43223100

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%

EF3.1 Climate Change

CO2e kg	0.595 kg CO2e

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

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