

# Antenna - RAD-ISM-2400-ANT-OMNI-2-1-RSMA



2701362

<https://www.phoenixcontact.com/pc/products/2701362>

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Omnidirectional antenna, 2.4 GHz, gain: 2 dBi, polarization: linear, opening angle: h/v 360°/75°, degree of protection: IP65, connection: RSMA (male), incl. 1.5 m / 5 ft. connecting cable and mounting bracket for wall mounting

## Your advantages

## Commercial Data

Item number	2701362
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	DNN2Z1
Catalog Page	Page 388 (C-6-2019)
GTIN	4046356743471
Weight per Piece (including packing)	91 g
Weight per Piece (excluding packing)	70 g
Customs tariff number	85177100
Country of origin	TW

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## Technical Data

### Product properties

Product type	Antenna
Gain	2 dBi
Vertical beamwidth	75 °
Horizontal beamwidth	360 °
Polarization	Linear vertical

### Electrical properties

Frequency band	2.4 GHz
Frequency range	2.4 GHz ... 2.5 GHz
Impedance	50 Ω
Maximum capacity	1.00 W

### Connection data

#### Connection technology

Connection method	RSMA (male)
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### Dimensions

Height	82.5 mm
Diameter	7.8 mm

### Material specifications

Material	Polyurethane (Radom)
	Polycarbonate PC (Antenna foot)
	V2A (Bracket)

### Cable / line

Cable length	1.50 m
Connecting cable	yes
External cable diameter	2.50 mm
Outer sheath, material	Fluorinated ethylene propylene (FEP)
Smallest bending radius, fixed installation	25.4 mm
Smallest bending radius, fixed installation	25.4 mm

### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP65
Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-30 °C ... 75 °C

### Mounting

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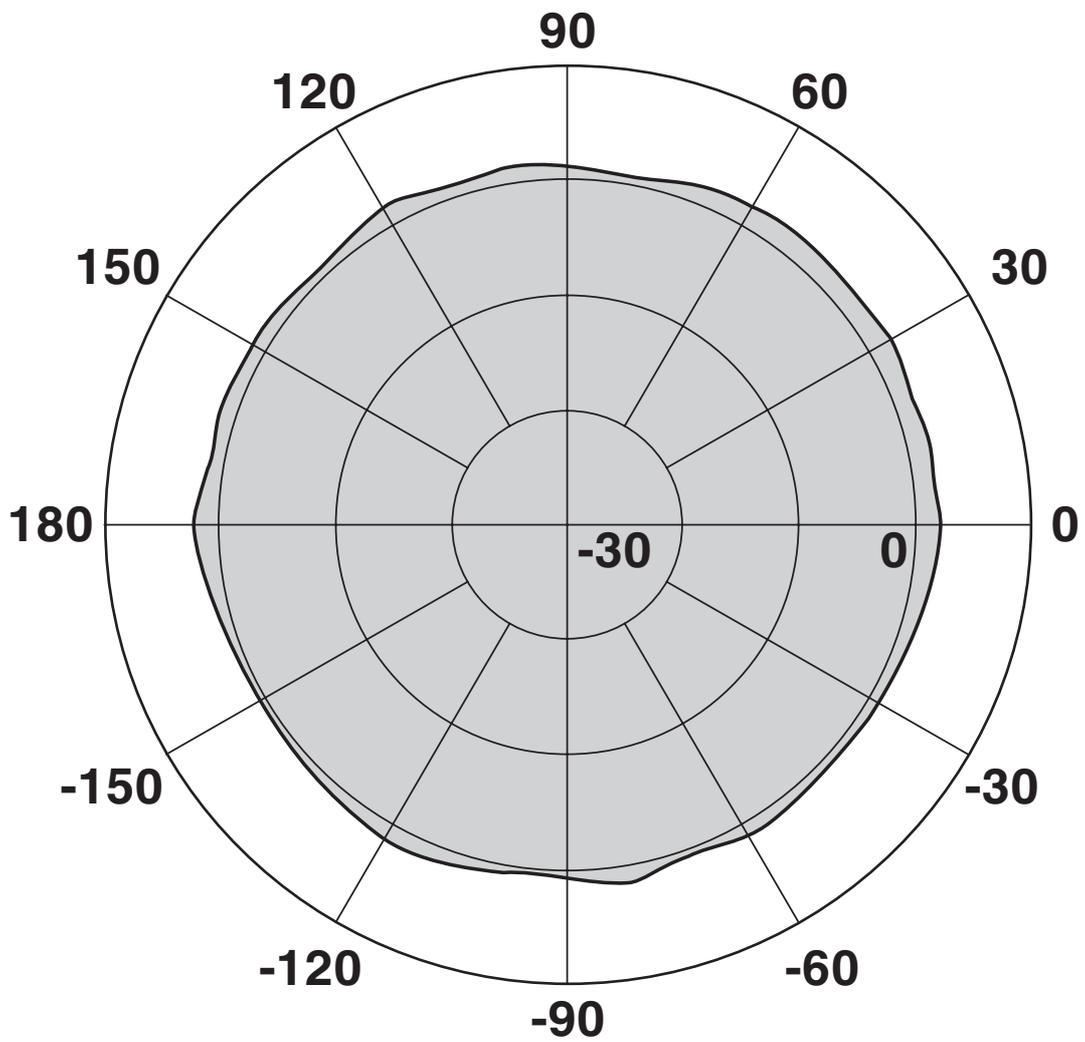
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Mounting type	Wall mounting
Assembly instructions	Outdoors and indoors

Drawings

Diagram



Horizontal

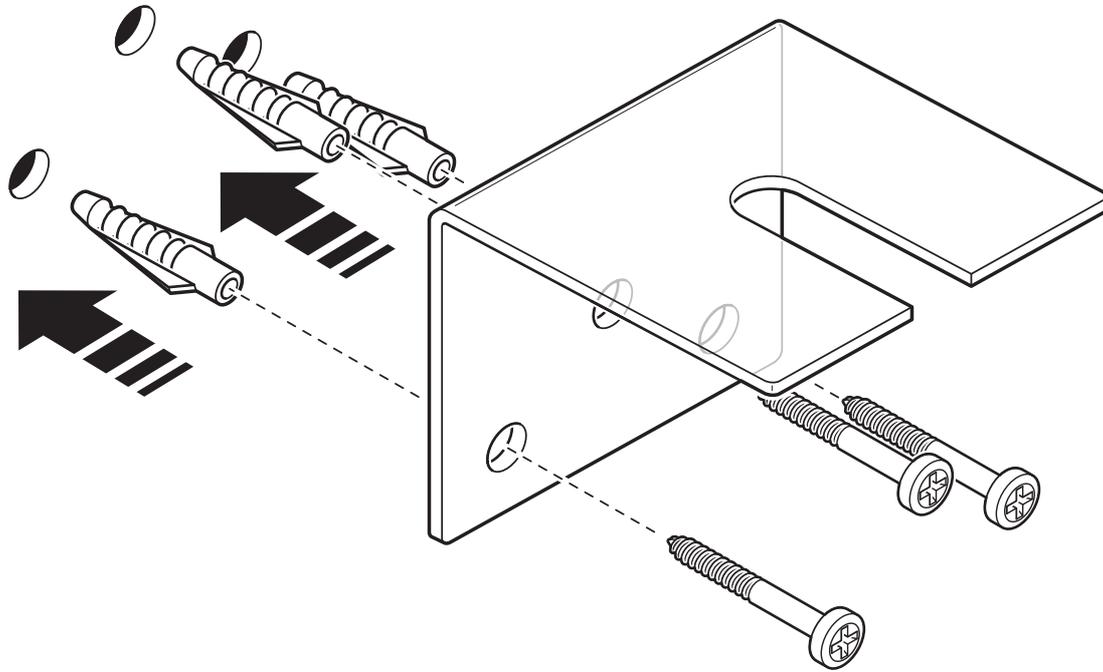
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Schematic diagram



Wall mounting

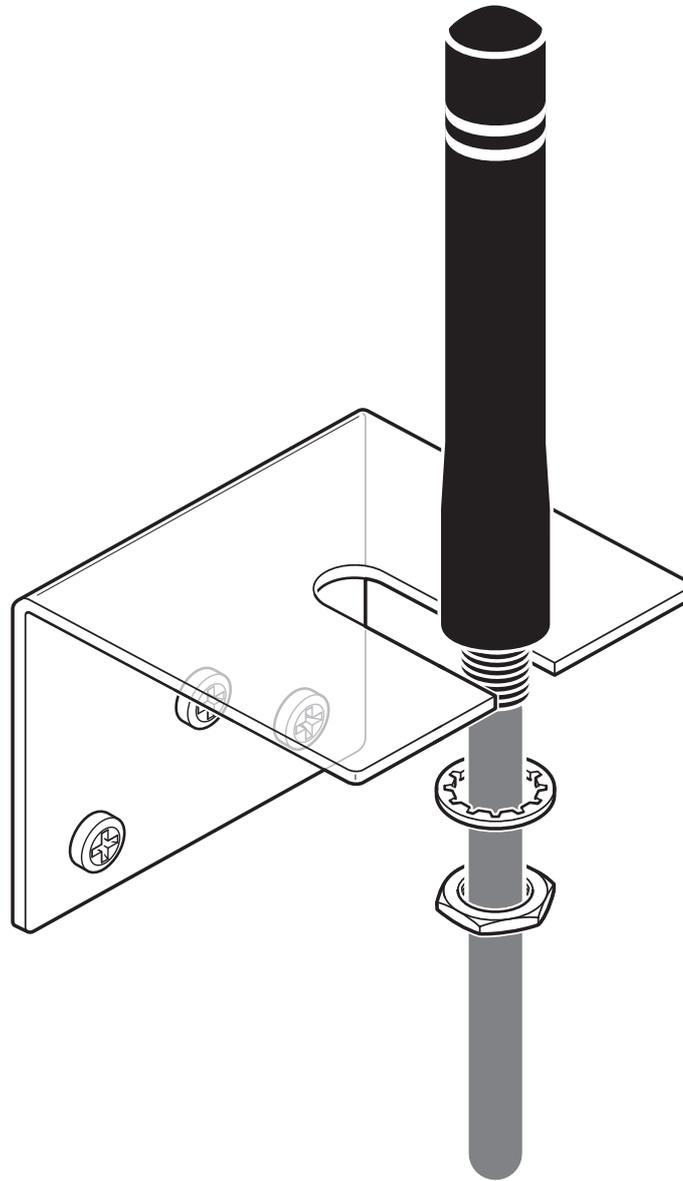
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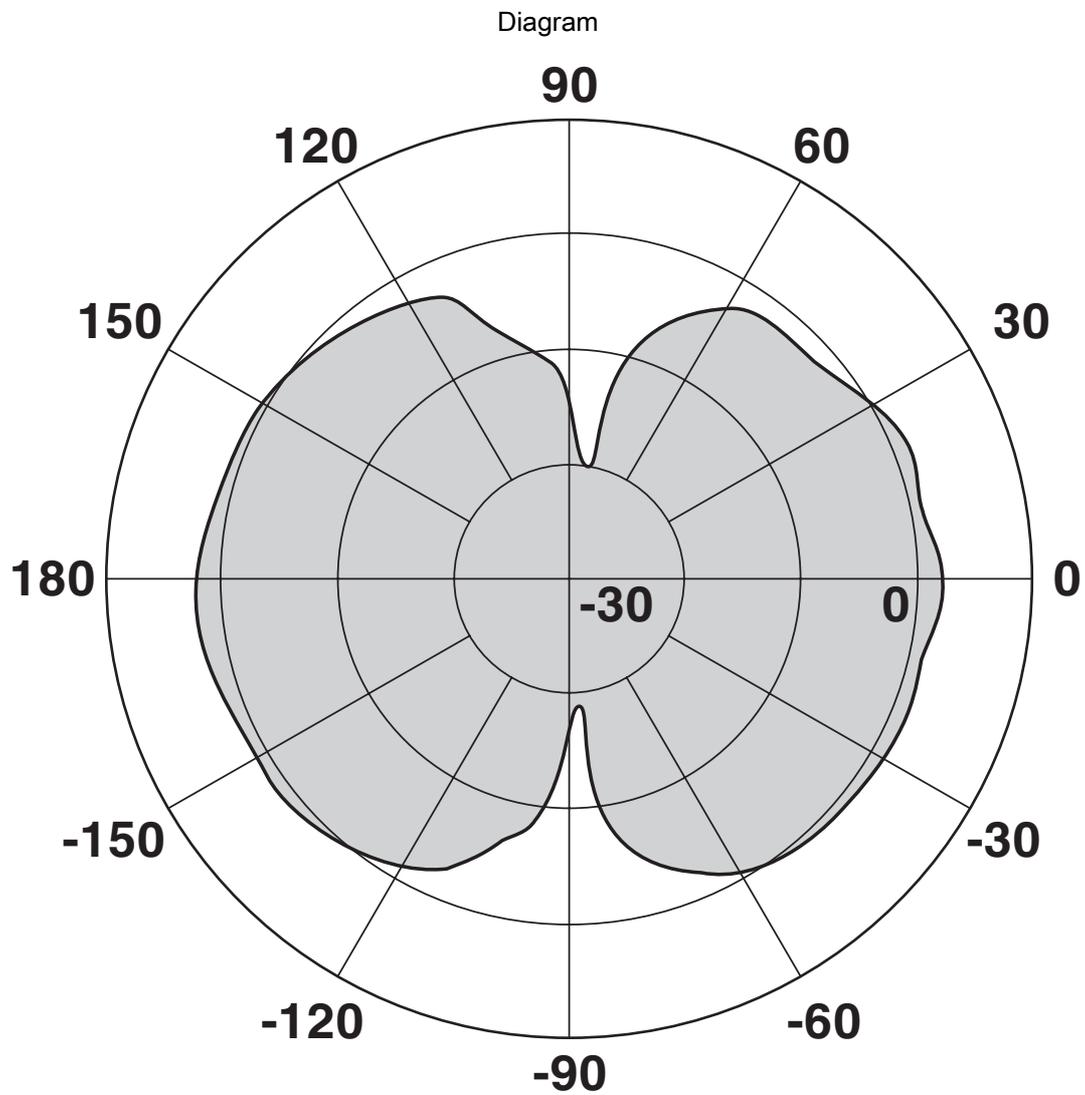
Schematic diagram



Wall mounting

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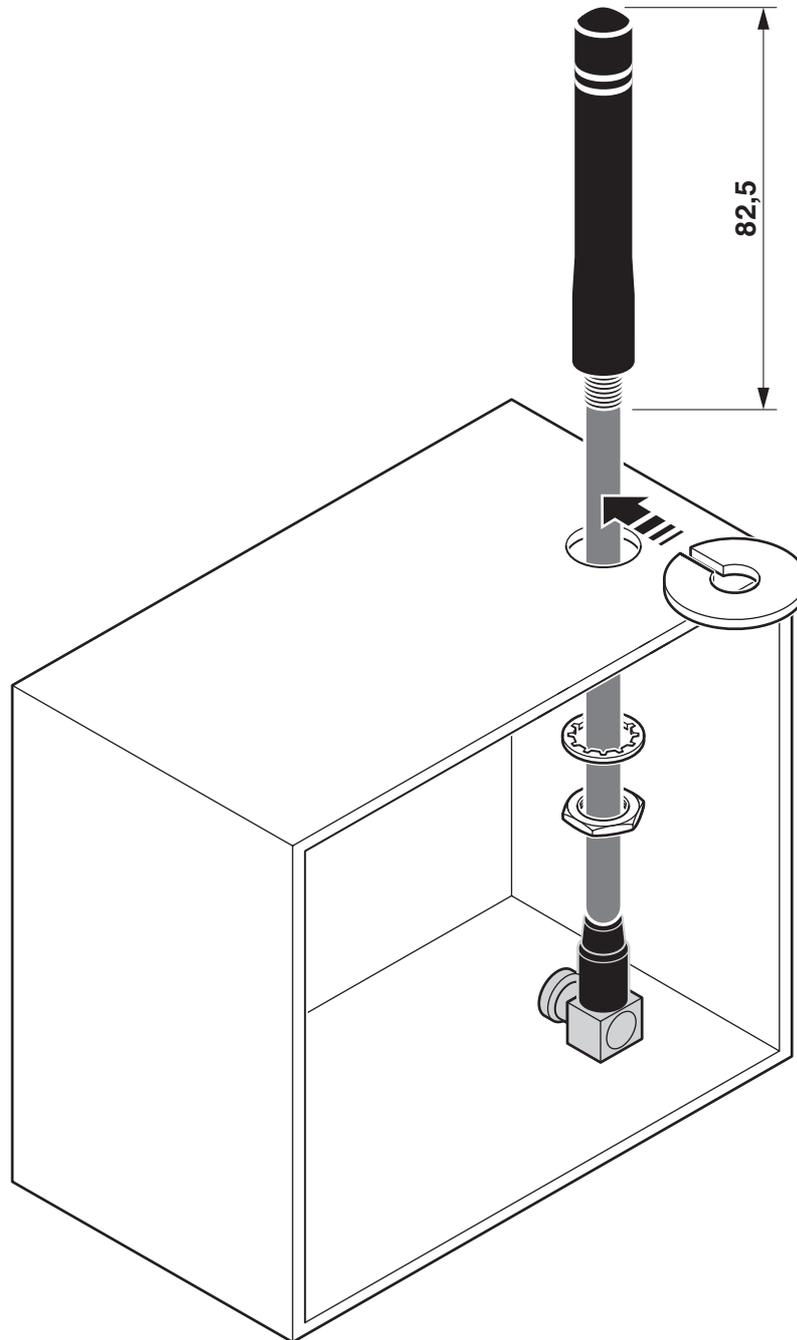
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Schematic diagram



Mounting on the control cabinet

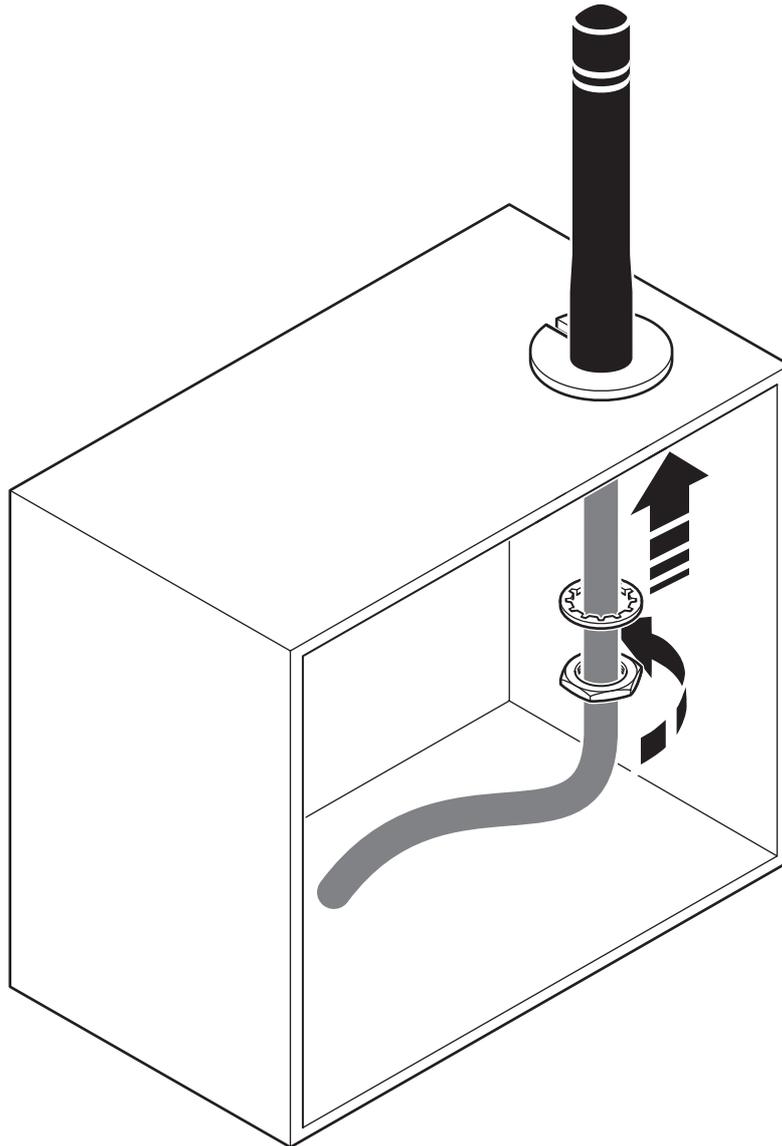
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Schematic diagram



Mounting on the control cabinet

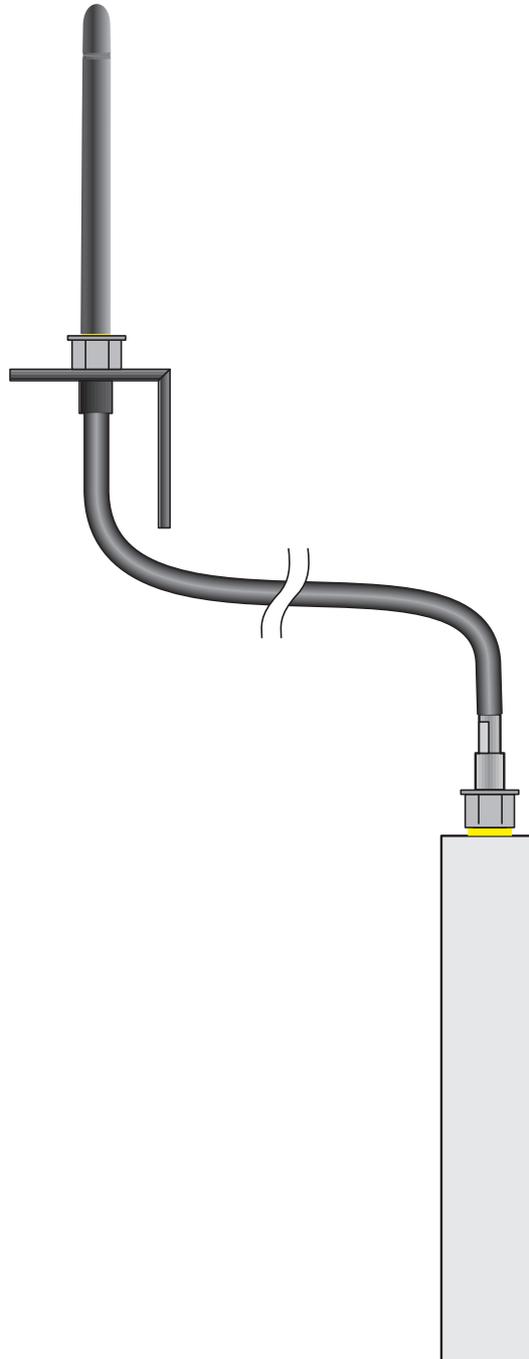
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Schematic diagram



Installation example

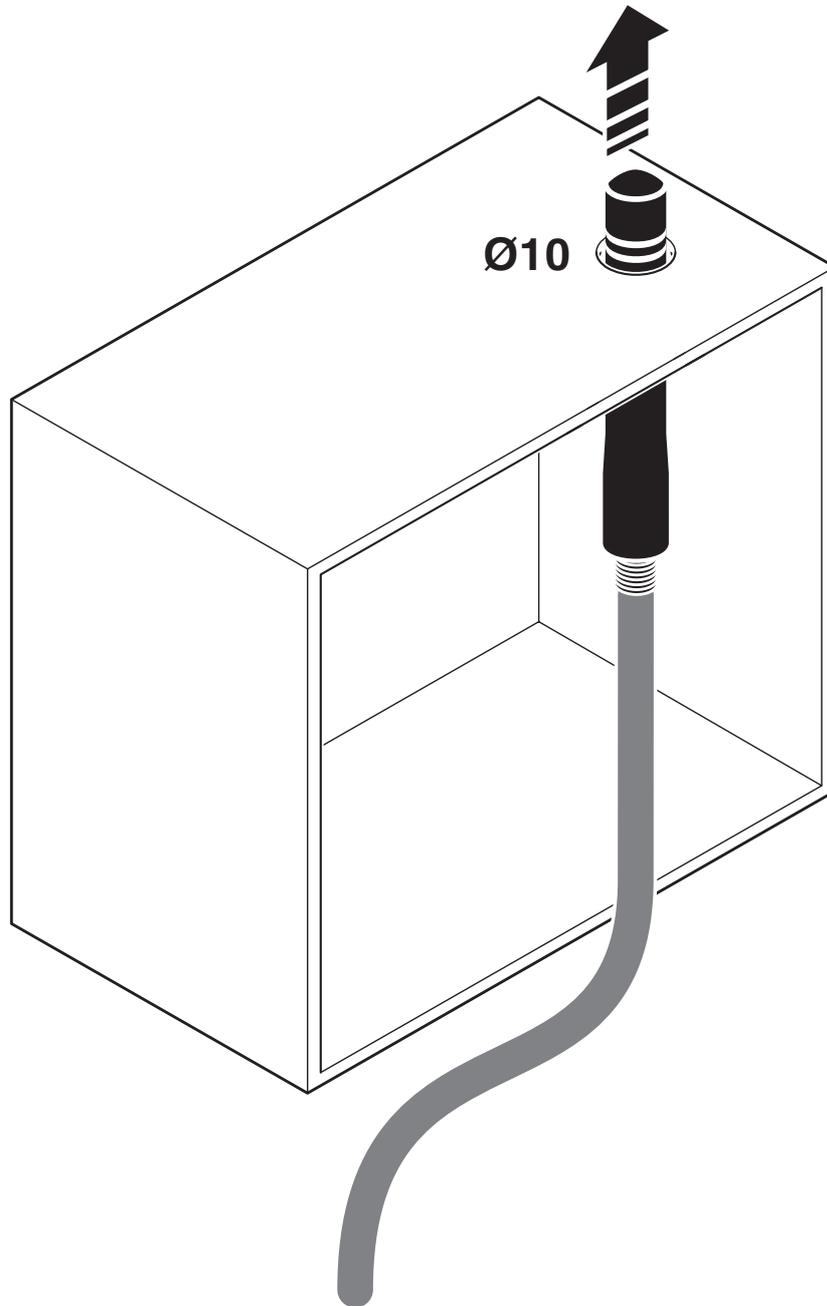
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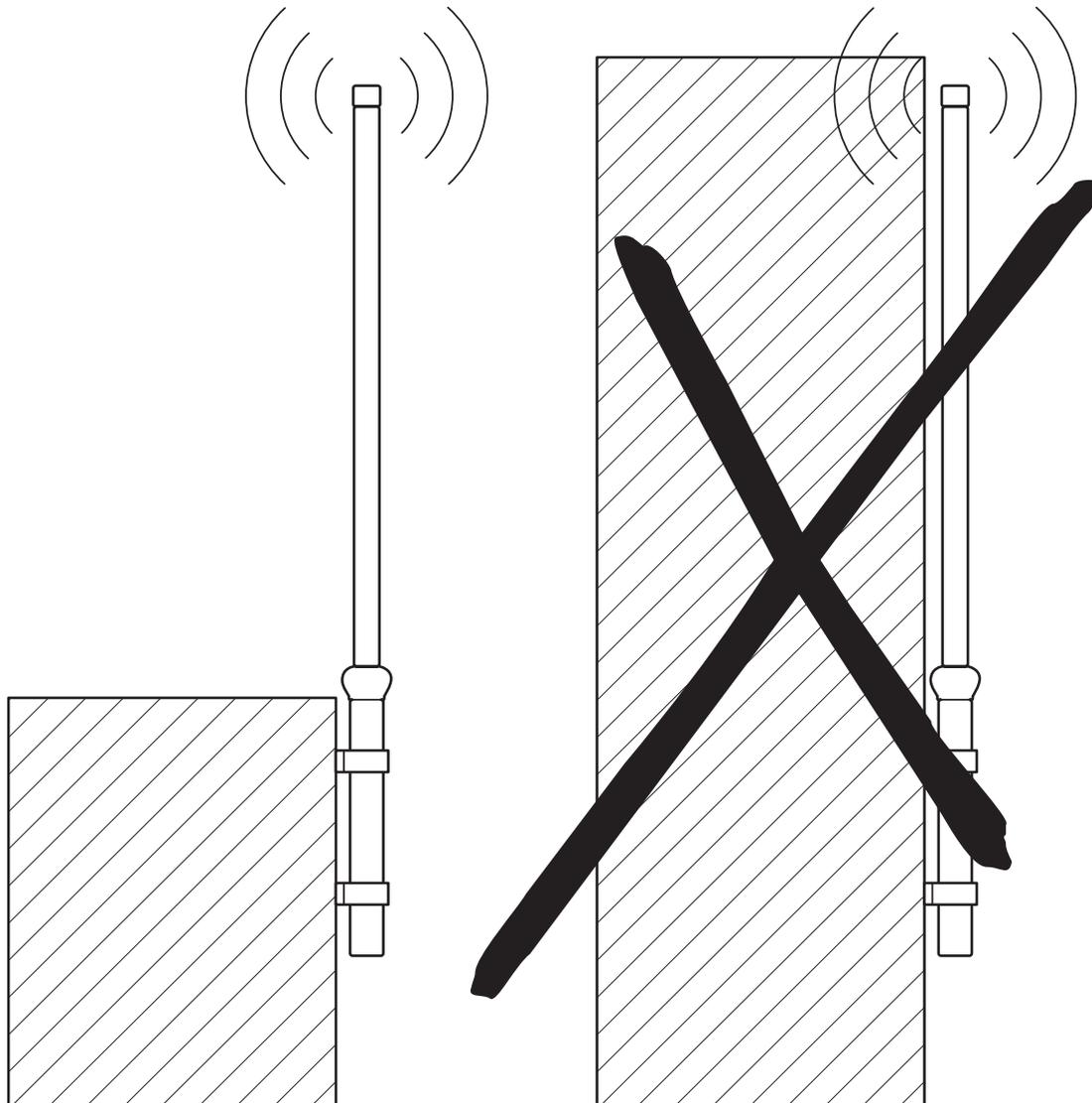


Schematic diagram



Control cabinet feed-through

Schematic diagram



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## Classifications

### ECLASS

ECLASS-9.0	19070105
ECLASS-10.0.1	19070105
ECLASS-11.0	19070105

### ETIM

ETIM 8.0	EC001698
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### UNSPSC

UNSPSC 21.0	43223100
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## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 25; For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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