

# Coaxial BNC type



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### Specification

### Product Features

<b>Voltage</b>	DC 24V / 5V	<p>CE-certified, Patented</p> <p>Performance in compliance with IEC standard [When 20 kV/10 kA (Voltage 1.2/50 <math>\mu</math>s, Current 8/20 <math>\mu</math>s) is applied, Within 150 V]</p> <p>High surge capacity - 50 kA in all, the highest in the world</p> <p>Reverse surge protection - first in the world</p> <p>BNC Connector</p> <p>Aluminum case</p>
<b>Type</b>	Coaxial (Serial)	
<b>Capacity</b>	50kA - total / 25kA - mode	

### Application

CCTV/DVR Video Line, Ultrasonic Flowmeter Line, Wireless Antenna, etc.

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**Model** KOX-A-48DC  
**Application** Antenna, RF Communication, Cable TV Protection  
**Application Field** CCTV, F-met, Cable TV, etc. - industry field



### Electrical property

Rated voltage	Un	48V DC
Max Continuous Operating Voltage (MCOV)	Uc	68V DC
Nominal current		300 mA
Insulation resistance (@DC)	RIN	Above 20 MΩ
DC Loop resistance	R	Less than 50 Ω/1wire

### Protection property

Protection mode		L1-L2(G)
Voltage protection level (Category C2) (@20kV/10kA Voltage 1,2/50μs, Current 8/20μs) – IEC 61643-21	Up	≤ 150V
Maximum discharge Current DM:0kA, CM:50kA (@Current 8/20μs)	Imax	50kA
Nominal discharge current (@Current 8/20μs)	In	20kA
Response time (@10kV/μs)	ta	Less than 5 ns

### Features

Capacitance (@1MHz, 1Vrms)	C	1.5nF
Insertion loss (@3dB)	BW	DC~10MHz

### Mechanical property

Protection rating level	IP20 (@IEC 60529), NEMA1	
Operating temperature	-40 ~ 90°C	
Operating humidity	Less than 95%	
Size	(W)42 x (L)118 x (H)30 mm cf. p.72	
Installation	Bolt mounting	
Weight	Less than 250g	

### Test standard & Reference

UL 497B

IEC 61643-21 [2015] Category A, B, C Performance and Test Criteria for Data/Telecom/Signal Line Surge Protector

IEC 62305-1,2,3,4 [2017]

Performance and Test Criteria for Circuit Surge Protector

ANSI/IEEE Std C62.64 [2009] Data/Telecom/Signal Line Surge Protector performance standard

IEEE Std c62.36 [2016] Data/Telecom/Signal Surge Line Surge Protector standard test specification

\*DM(Differential Mode[Differential Mode])=NM(Normal Mode[Normal Mode])=Symmetrical Mode

\*CM(Common Mode[Common Mode])=LM(Longitudinal Mode[Longitudinal Mode])=Asymmetrical Mode

## Size

# Coaxial Line BNC type



### Model List

(W)42 x (L)118 x (H)30

- KOX-A-24DC
- KOX-A-48DC

[Unit : mm]

