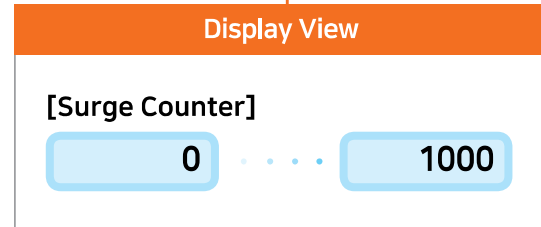


# LAN RJ45 type



## LAN Line RJ45 Type



### Specification

### Product Features

<b>Voltage</b>	DC 48V	CE-certified, Patented Performance in compliance with KS C IEC standard [When 10 kV/5 kA (Voltage 1.2/50 μs, Current 8/20 μs) is applied, within 150 V] High surge capacity - 150 kA/200kA in all, the highest in the world RJ45 Jack LCD surge counter [Battery life ≥ 10 years, replaceable] Aluminum case 1> 10/100 BASE Cat,5 2> 10/1000 BASE Cat.6
<b>Type</b>	LAN Line RJ45 Type	
<b>Capacity</b>	[10/100] 150kA - total / 25kA - mode [10/1000] 200kA - total /25kA - mode	

### Application

Ethernet, LAN, F-NET, CCTV Data transmission line protection

# LAN RJ45 type



## RJ45 type

**Model** KOX-A-48DC-E1000  
**Application** 10/1000 BASE Cat.6 Ethernet / LAN / F-net Protection  
**Application Field** Ethernet, Data Line, F-net, etc. - communication field



### Electrical property

Rated voltage	Un	40~48V DC
Max Continuous Operating Voltage (MCOV)	Uc	48~68V 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 (Full mode protection)		(1,2,3,4,5,6,7,8)-G
Voltage protection level (Category C2) @10kV/5kA Voltage 1.2/50μs, Current 8/20μs - IEC 61643-21	Up	≤ 150V
Maximum discharge Current DM:0kA, CM:200kA (@Current 8/20μs)	Imax	200kA
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
Protector operation indication		LCD surge counter - Battery life ≥ 10 years, Replaceable
Correspondence		10 Base-T(IEEE 802.3i) 100 Base-T(IEEE 802.3u) 1000Base-T(IEEE 802.3ab)

### Mechanical property

Protection rating level		IP20 (@IEC 60529), NEMA1
Operating temperature		-40 ~ 90°C
Operating humidity		Less than 95%
Size		(W)32 x (L)88 x (H)95 mm cf. p71
Installation		DIN-rail or Bolt fastening
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

# LAN Line RJ45 type



### Model List

(W)32 x (L)88 x (H)95

- KOX-A-48DC-E100 : Cat 5
- KOX-A-48DC-E1000 : Cat 6

[Unit : mm]

