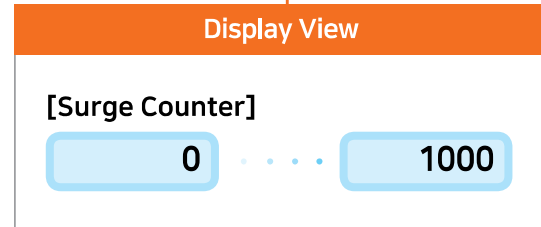


LAN RJ45 type



LAN Line RJ45 Type



Specification

Product Features

Voltage	DC 48V	CE-certified, Patented Performance in compliance with KS C IEC standard [When 10 kV/5 kA (Voltage 1.2/50 μ s, Current 8/20 μ s) 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 \geq 10 years, replaceable] Aluminum case 1> 10/100 BASE Cat,5 2> 10/1000 BASE Cat.6
Type	LAN Line RJ45 Type	
Capacity	[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-E100
Application	POE LINE 10/100 BASE Cat.5 Ethernet / LAN / F-net Protection, KT ADSL, VDSL Ethernet,
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)		(1,2,3,6)-G, (4+5)-G, (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:150kA (@Current 8/20μs)	Imax	150kA
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) POE[4/5(+), 7/8(-)]

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]

