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Make network communication more reliable

FL45-E1000

Gigabit Ethernet Signal Surge Protector

- Support 1 Gigabit Ethernet signal input and output, and provide 3kA surge protection
- Adopt multilevel protective circuit with quick response and low residual voltage output
- Applicable rate 1000Mbps
- Metal housing, great sealing, and resistant to dust and corrosion

Your Reliable Industrial Communication Expert
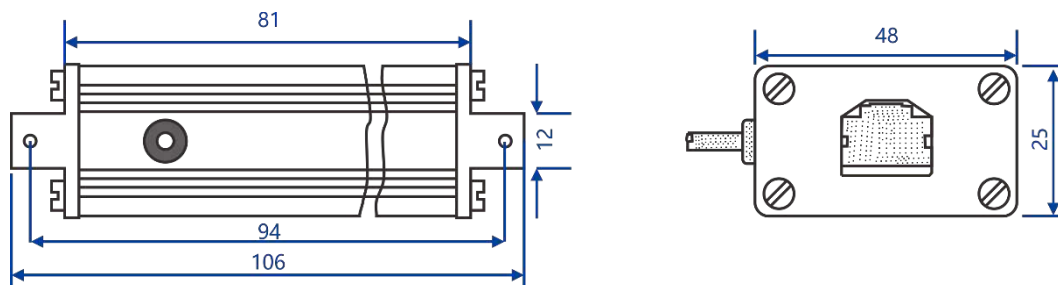
3onedata Co.,Ltd.

Introduction

FL45-E1000 1000M Ethernet signal surge protector is designed by IEC61000-4-5 and ITU-TK20&K21 standard. It adopts multilevel protective circuit and the newest high-speed surge protection device which has quick response, low residual voltage output and excellent transmission performance. The interface is RJ45 which is easy to use and suit for 10/100M/1000M Ethernet device protection, such as lightning protection for wireless AP, web cams, HUB, switch, router.

FL45-E1000 gigabit Ethernet signal lightning protector is designed and manufactured on the principle of discharge, limited current, clamping, stabilivolt. When signal wire gets an overvoltage and overcurrent shock, it will put lightning power or its jamming signal into the ground. Overvoltage restriction enables electrical equipment to operate safely within allowable range.

This product adopts metal housing and good sealing, which has anti-dust and anti-corrosion function. It adopts serials connection that can restrain high voltage pulse on the wire to prevent backend device from being damaged by lightning and industrial surge.

Dimension

Unit:mm

Specification

Interface	Standard: 10/100/1000Base-T(X), IEC 61000-4-5, ITU-TK20&K21
	Interface quantity: 1 gigabit Ethernet input and output
	Guard line quantity: 1-8
	Interface form: RJ45
	Nominal discharge current In: 3kA, line-ground
	1kA, line-line (8/20μs simulated lightning waveform)
	Nominal operating voltage Un: 5V

	Maximum sustainable operating voltage Uc：6V
	Voltage protection level Up: ≤30V
	Applicable rate: 1000Mbps
	Insertion loss@100MHz: ≤0.5dB
Power Supply / Power Consumption	No
Environmental Limit	Operating temperature: -20~60℃
	Storage temperature: -25~85℃
	Relative humidity: 5% ~ 95% (no condensation)
Physical Characteristic	Housing: metal
	Dimension (W x H x D): 106mm×48mm×25mm
Certification	CE, FCC, RoHS
Warranty	1 year

Ordering Information

Available Models	Gigabit Copper Port (Input)	Gigabit Copper Port (Output)	Power Supply
FL45-E1000	1	1	No