FL45

Ethernet Surge Protector

3One data

Introduction:

IEC61000-4-5 and ITU-TK20&K21 are the recognized standards for top quality surge protectors, FL45 made by the high response surge arresters, the advantage allow clamping voltage and low loss against high speed signal, because it had a low capacitance. Designed to protect data communication lines in local and wide area networks up to 100Base-T transmission speeds.

Packing List:

FL45 is shipped with following items.

1. FL45 × 1
2. User manual × 1

Features:

1. IEC6 1000-4-5 and ITU-TK20&K21
2. The high response surge arresters
3. Clamping voltage and low loss against high speed signal
4. Designed by theory of current limited and voltage clamped, discharged to ground
5. Standard:10Base-T/100Base-TX

Specifications:

Standard: 10Base-T/100Base-T standard

10/100M signal: IEC6100-4-5 and ITU-TK20&21

Nominal discharge current(In):5 KA(8/20μS)

Working voltage: 0-5V

Limit voltage: ≤40V

Apply Band rate: 100Mbps

Connector: RJ45 (F)

The line of protection: 4 lines (1, 2, 3, 6)

Insert consumption: ≤0.5dB

Delay time: ≤1ns

Working temperature:-20 to 60°C

Storage temperature:-25 to 85°C

Humidity: Relative humidity 5% to 95%

No power supply needed, No consumption
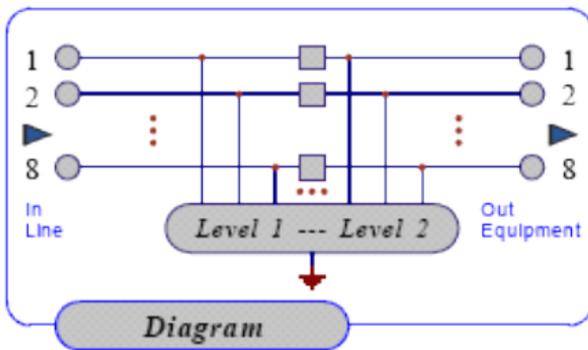
L×W×H: 72mm×42mm×25mm

Shell: Alnico

Color: Blue

Weight: 10g

Warranty: 5 years

Approvals: FCC, CE, RoHS approvals

Circuit diagram:

FL45 is designed by the theory of current limited and voltage clamped, discharged to ground. When the data line exist surge, the FL45 is induced and worked ,the lightning energy is discharged to ground, and the high surge voltage is clamped to low level, so our devices is protected.
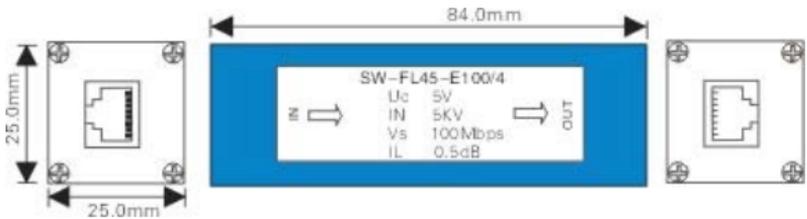

Applications:

Usually the FL45 is used in protecting the following devices:

1 .Ether net Exchanger

2 .Ether net HUB

3 .Router

4 .Computer

5 .Indus trial control devices

6 .Net server for Video system

Cautions and Notices:

1. When installing the FL45 to the end system, all equipment of en60950-1:2001 must be fulfilled.

2. The FL45 is connected by series mode, the port of IN is connected to outline, and the port of OUT is connected to the protected device .The FL45 need connect to GROUND ,and keep enough low resistance.

3. No special maintenance needed except for periodic inspection for looseness.

4. If the circuit is open or short, it means The FL45 has a fault and need to be replaced immediately.

Dimension:

Certifications:

3onedata

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