

FL45

Ethernet Surge Protector

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



Introduction

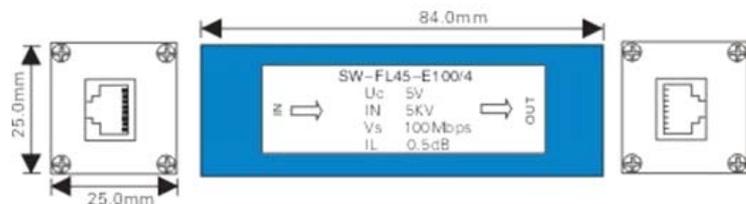
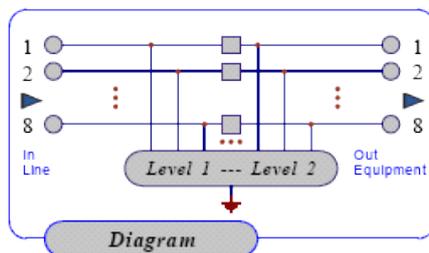
IEC61000-4-5 and ITU-TK20&K21 are the recognized standards for top quality surge protectors, FL45 made by the high response surge arresters, the advantage allow clamping voltage and low loss against

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.

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.



Dimension

Specification

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

Packing List

1. Ethernet Surge Protector FL45 × 1
2. User manual × 1

Applications

- Usually the FL45 is used in protecting the following devices:
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|--------------------------------|--------------------------------|
| 1 .Ether net Exchanger | 2 .Ether net HUB |
| 3 .Router | 4 .Computer |
| 5 .Indus trial control devices | 6 .Net server for Video system |