

IT-FL45M1000-SP

1000M Ethernet Surge Protector

Features

1. IEC61000-4-5 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/1000Base-TX



Introduction

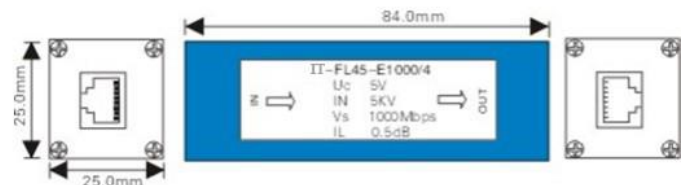
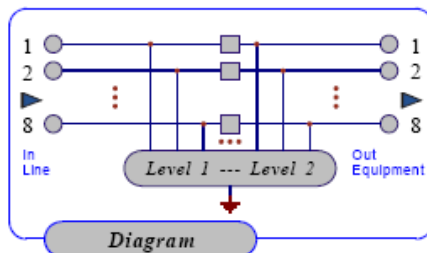
IEC61000-4-5 and ITU-TK20&K21 are the recognized standards for top quality surge protectors, IT-FL45M1000-SP made by the high response surge arresters, the advantage allow clamping voltage and

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 1000Base-TX transmission speeds.

Circuit diagram

IT-FL45M1000-SP is designed by the theory of current limited and voltage clamped, discharged to ground. When the data line exist surge, the IT-FL45M1000-SP 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-TX/1000Base-TX standard
 10/100/1000M signal: IEC6100-4-5 and ITU-TK20&21
 Nominal discharge current(In):5 KA(8/20 μ S)
 Working voltage: 0-5V
 Limit voltage: \leq 40V
 Apply Band rate: 1000Mbps
 Connector: RJ45 (F)
 The line of protection: 4 lines (1, 2, 3, 6)
 Insert consumption: \leq 0.5dB
 Delay time: \leq 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: 3 years

Approvals: FCC, CE, RoHS approvals

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

Packing List

1. Ethernet Surge Protector IT-FL45M1000-SP×1
2. User manual ×1