



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

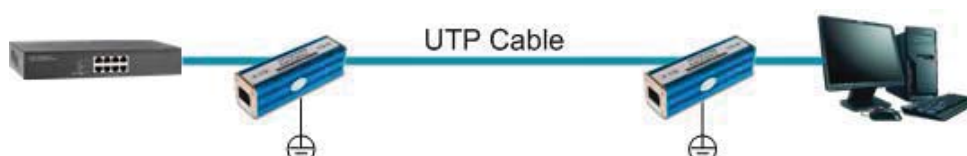
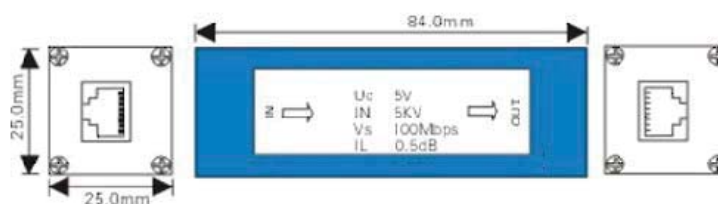
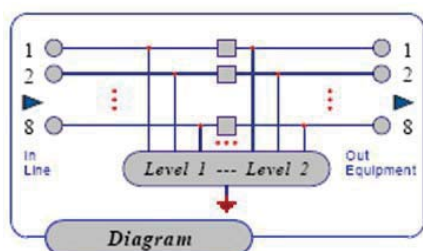


Introduction

IEC61000-4-5 and ITU-TK20&K21 are the recognized standards for top quality surge protectors. It 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 Diagrams

Designed by the theory of current limited and voltage clamped, discharged to ground. When the data line exist surge, It 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.



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)
 Maximum Surge Protection Voltage: 4,500V or 4.5KV
 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 (Surge Protection attack time)
 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
 Approvals: FCC, CE, RoHS approvals

Application

Usually is use in protecting the following device as below
 Ethernet Exchange
 Ethernet HUB or Switch
 Router
 Computer
 Industrial control Device
 Net Server for Video system

Order part Number

BC-5010 Ethernet Surge Protector