

IPV101-6KV

Din-Rail 1 Channel 10/100M 6KV Industrial PoE Surge Protector



Product Description:

The IPV101-6KV is a DIN-rail mount industrial-grade 10/100M PoE surge protector designed to protect high-speed Ethernet interface circuits against lightning and surge events. Installed at the input of your equipment, it reliably channels surge currents safely to ground and clamps overvoltage to a safe level, ensuring continuous operation and safeguarding connected devices.

Product Features:

- Total Maximum discharge voltage (Vmax) 6kV (10/700us, 40Ω)
- Support 10/100M data transport flow
- PoE power supply part with thermal protection
- Low limit voltage
- Low insertion loss
- IP40 Aluminum case
- 200,000 hours MTBF (Parts count reliability prediction)
- EMI: FCC Part 15, CISPR (EN55022) Class A
- EMS: EN61000-4-2 (ESD), EN61000-4-3 (RS)
- EN61000-4-4 (EFT), EN61000-4-5 (Surge)
- EN61000-4-6 (CS), EN61000-4-6 (Common Mode Conduction)
- Industrial: IEC6100-6-2
- Railway: EN50155, EN50121-4
- Transportation: NEMA TS-2
- Warranty: 5 years

Product Specifications:

Attributes	
Networking Interfaces	2×10/100M Shielded RJ-45 ports
Copper Cable	
10Base-T	2-pair UTP/STP Cat. 3,4,5/5E,6 cable EIA/TIA-568 100-ohm (100m)
100Base-T	2-pair UTP/STP Cat. 5/5E,6 cable EIA/TIA-568 100-ohm (100m)
Features	
Dimensions	103x78x32mm
Weight	0.5kg
Operating Temperature	-40 to 75°C
Storage Temperature	-50 to 85°C
Operating Humidity	5 to 90% Noncondensing
Storage Humidity	5 to 95% Noncondensing
Norminal voltage	48V
Rated voltage (max. continuous voltage)	57V
Max. continuous voltage (PoE)	57V
parameters for SPD - Ampers	0.6A
Norminal discharge voltage (10/700, 40Ω)	2kV (line-line) 6kV (line-PG)
Voltage protection level at In	≤70V(line-line) ≤70V(line-PG)
Voltage protection level at In (PoE)	≤70V(line-line)
Transmission frequency	250MHz
Insertion loss at 250MHz	≤2dB
Capactance	≤5000pF(line-line) ≤2500pF(line-PG)
Enclosure material	IP40 Aluminum shell
EMC Safety	FCC, CE, RoHS
Reliability	200,000 hours MTBF
Package List	
Industrial Surge Protector	1pcs
User Manual	1pcs
Warranty Card	1pcs

Order Information:

Product Models	
IPV101-6KV	Din-Rail 1 Channel 10/100M 6KV Industrial PoE Surge Protector