

Surge protection systems

Universal surge protector for UTP twisted pair 4-channel IP protector

PTF-4-ECO is 4 channels economic protection for IP CCTV cameras. It protects from effects of surge and lightning and vandalism (effect of stun guns). It may be using in systems of local LAN network to protection of overhead lines between buildings, to protects connections between switches for cable of 5 category. The device has individually protection of each transmission pair, where after crossing voltage above 90V, followed short circuit its to ground. 4, 5 and 7, 8 cables are connected together, to increase current for a PoE standard (Power over Ethernet). By using innovative components PTF-4-ECO Protection has very low capacity and high reaction speed, which have negligible effect on high-frequency signals transmitted, very short reaction time and ability to multiple response.

Built-in automatic fuses protects PoE power supply from damage, in event of short circuit at power supply of receiving device. Also built-in LEDs, indication of power supply entering and exiting from PTF-4 protection.

Construction of circuit is completely shielded from bottom and from top, which provides high immunity to electromagnetic interference and continuity of shield between input and output. Shield has independent circuit protection, so that it is not permanently connections with ground. This is important for risk of ground loop and appearing of interferences.

PTF-4-ECO



Technical specification

Level protection

Capacity line- line

Capacity line- ground

Level protection line- line

Maximum Uc

Maximum power 8/20uS (line-line)

Level protection

Level protection line- line for PoE 10/1000uS

Max voltage Uc for PoE

Level protection for PoE

Maximum voltage line- ground

Work standard PoE

Connector input

Connector output

Connector ground

Work temperature

Housing

Dimension

Data line

Air ionizing, Bridge Transil

6-8pF @ 0V, 1Mhz

< 1pF

6V-1kV, 20V @ 100A, 8/20uS

6,8V

2kW

PoE Line

2 (air ionizing, Bridge Transil)

600W / 100A, 10/1000uS

58V

90V-4kV, 2~4kA, 8/20uS

90VDC

Complies with IEEE 802.3af of type B

Common features

RJ-45

RJ-45

Yes

-30~+60°C

Inside

159 x 30 x 70 mm