

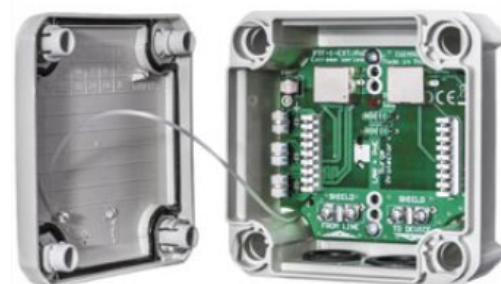
Surge protection systems

External surge protector for UTP twisted pair 1-channel IP protector

PTF-1-EXT / PoE is an external surge PoE IP with the highest possible degree of protection for the safeguards of network devices exposed to a large extent on the effects of lightning, etc. The device has KRONE connectors and RJ-45, so it is possible to connect any cable infrastructure configuration.

BOX- PTF-1-EXT/PoE is protection for IP CCTV cameras. In series Extreme using the latest solution in the form of super fast fuse MOSFET. 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 flowing for a PoE standard (Power over Ethernet). By using innovative components **BOX-PTF-1-EXT/PoE** 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, signaling presence of power supply entering and exiting from PTF-1 protection.



Technical specification

Level protection

Capacity line- line

Capacity line- ground

Level protection line- line

Level protection line- ground

Maximum Uc

Maximum power 8/20uS (line-line)

Maximum voltage 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

3 -Gas tube, **MOS-FET fuse**, Bridge Transil

6-8pF @ 0V, 1Mhz

< 1pF

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

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

6,8V

2kW

90VDC

PoE Line

2 (Gas tube, Bridge Transil)

600W / 100A, 10/1000uS

58V

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

90VDC

IEEE 802.3af mode B

RJ-45/KRONE

RJ-45/KRONR

Yes

-40~+60°C

Outside

[113 x 113 x 55] mm