

Surge arrester for LAN networks

Surge arrester for LAN networks. Protection of control unit against overvoltages during storms. Compatible with 10Base-T, 100Base-T and PoE up to 60W.



Quick Facts

Dimensions	36 × 59 × 58 mm
Operating temperature	-30 ... 60 °C
IP rating	IP40

Protection of the control unit against overvoltages during storms, necessary for a DSL Internet connection.

Order Code	PTF-51-ECO-POE
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Technical Specifications

ELECTRICAL	
Connection	RJ-45 (PoE passthrough, 60 W)
Max. current	100 A (8/20 μs surge)

Protection of the control unit through the most common source of overvoltage - LAN connection.

During storms, high overvoltages are induced on the DSL connection, which can destroy not only the router and the control unit, but also the modules connected to it.

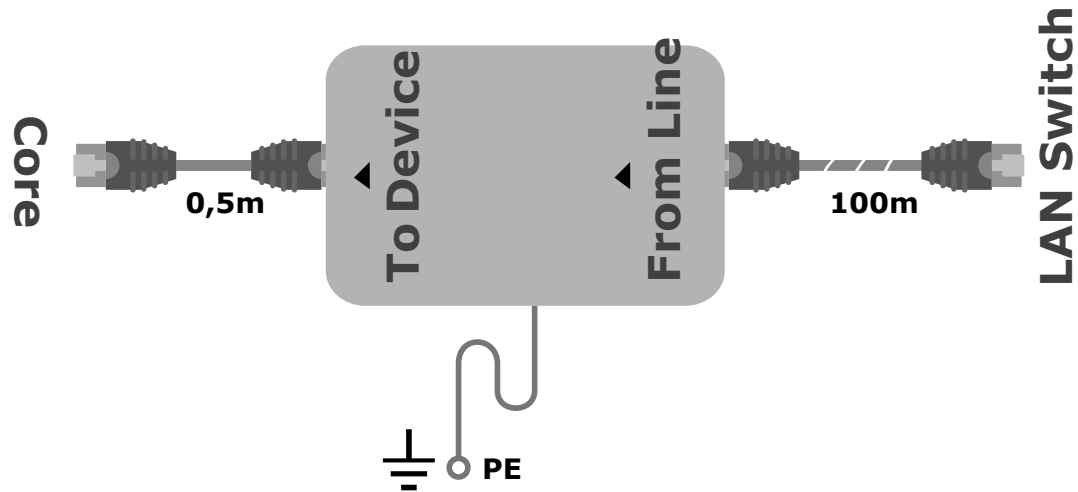
It is compatible with 10Base-T and 100Base-T Ethernet, using any type of cabling.

The product is intended for installations where connected LAN end devices are inside buildings and no part of the cable passes outside buildings.

A special connection circuit also protects device against surges and against voltage increase on PoE power lines in any of the possible standards. Lines 4-5 and 7-8 are interconnected because LAN Base-100T uses them only to power PoE. The PoE transmitted through the protector can be up to 60W (compatible with HiPoE).

This surge arrester ensures the continuity of the shield FTP cable, but it is not connected to the earthing.

Installation



Parameters

- Network compatibility ... 10Base-T, 100Base-T, twisted pair 5-th, 5e, and 6-th categories
- Input / output connectors ... RJ-45
- Rated Voltage DC (line-ground) UN ... 90 VDC
- Maximum Voltage (line-ground) UC ... 110 VDC
- Protection level 1kV/ μ s (line-ground) UP ... 600 V
- Surge current (8/20 μ s, line-ground) Iimp ... 100 A
- Rated Voltage DC (line-line) UN ... 3,3 VDC
- Maximum voltage (line-line) UC ... 3,5 VDC
- Protection level 1kV/ μ s (line-line) UP ... 20 V
- Surge current C1 (8/20 μ s, line-line) Iimp ... 100 A
- Protected lines ... 1-2, 3-6
- Series resistance ... 2,2 Ω / line
- Rated current IN ... 300mA / line
- Protection level ... 1 (hybrid)
- Protected PoE standards ... IEEE 802.3af/at/bt-type 3 (HiPoE, UPOE)
- Environmental protection ... IP40
- Operating temperature ... -30 °C ~ 60 °C



Product page

<https://hardware.taphome.com/lan-surge-arrester/>

