

Overvoltage Protections

Package Contents and Recommended Accessories



PRODUCT PAGE

The product page contains datasheets, application notes, links to software downloads, videos, case studies, and other documentation.

<https://www.metel.eu/l/ovp>

This installation manual is intended for the installation of Overvoltage protections of the production series listed below:

ORDERING NAME	CODE	Note
OVP-100M-HIPOE-BOX	4-448-104	Ethernet + PoE A and B
OVP-100M-BOX	4-448-107	Ethernet without PoE
OVP-100M/24-BOX	4-448-103	Ethernet without PoE+24VAC
OVP-100M-HIPOE-IP55	4-448-109	Ethernet + PoE A and B
OVP-1000M/1-BOX	4-448-201	Ethernet 1Gbps
OVP-1/12/1-BOX	4-401-119	1x 12VDC/1A or 6VAC/1A
OVP-1/24/1-BOX	4-401-120	1x 24VDC/1A or 24VAC/1A
OVP-2/12/1-BOX	4-401-122	2x 12VDC/1A or 6VAC/1A
OVP-2/24/1-BOX	4-401-123	2x 24VDC/1A or 24VAC/1A
OVP-1/12/3-BOX	4-401-131	1x 12VDC/3A or 6VAC/3A
OVP-1/24/3-BOX	4-401-132	1x 24VDC/3A or 12VAC/3A
OVP-1/24/10-BOX	4-401-126	1x 24VDC/10A or 24VAC/10A
OVP-1/48/10-BOX	4-401-127	1x 48VDC/10A
Accessories:		
PATCH-8-101M	4-500-211	19" patch

The package contains

- Overvoltage protection
- DIN Rail mounting kit
- Mounting kit for wall placement
- Installation Manual

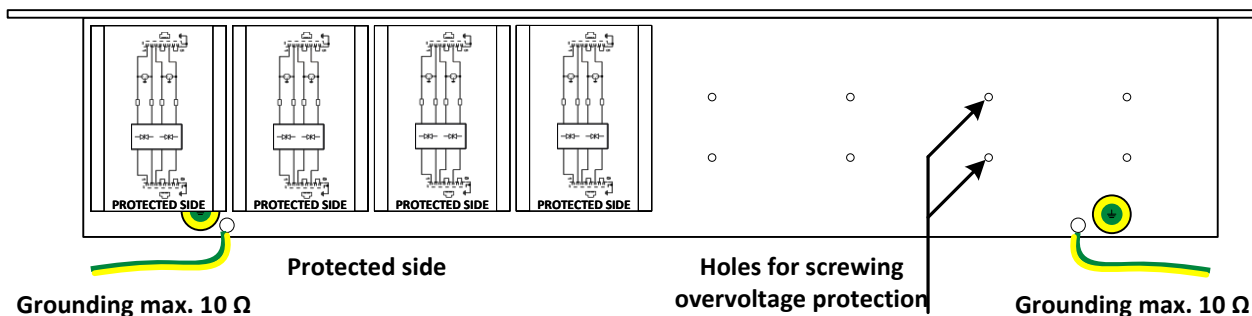
PATCH-8-101M - recommended accessory for installation in a 19" rack

It is possible to screw up to 8 overvoltage protections OVP-100M...to a 19" patch panel. For proper functioning follow these rules:

1. Cut the yellow-green grounding wires from the overvoltage protections that are to be screwed to the patch panel.
2. You can ensure reliable grounding of the protections by screwing the M3x5 screws from accessory a to the patch panel by connecting the patch panel with grounding with a maximum ground resistance of 10Ω. The connection must be made with a wire with a minimum cross-section of 2.5 mm².

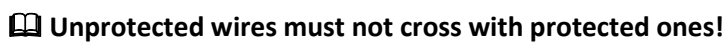
Other recommendations:

- protected wires should not cross the unprotected wires
- min. recommended distance between protected and unprotected wiring is 10 cm
- do not use lightning conductor for grounding



 Unprotected wires must not cross with protected ones!

3. Connect signal and supply cables according to the picture below.

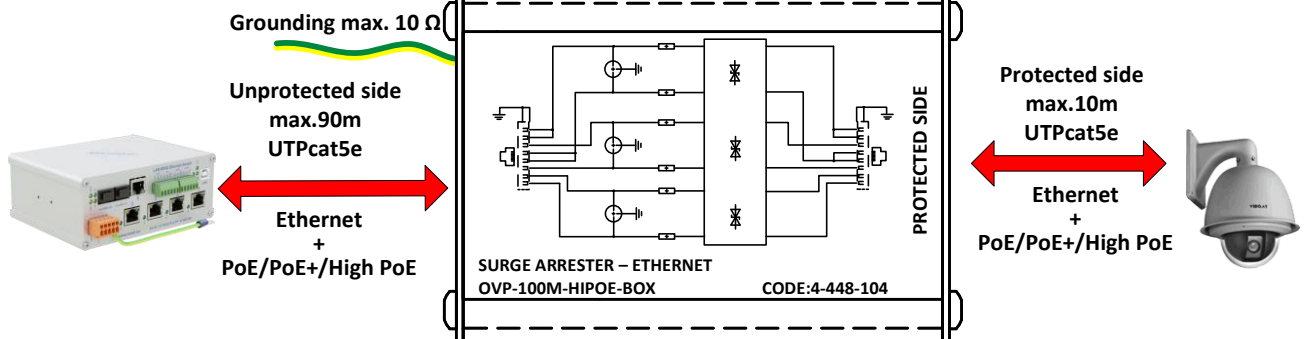


Installation Manual REV:202305
Ethernet Overvoltage Protections
OVP-100M-HIPOE / OVP-1000M

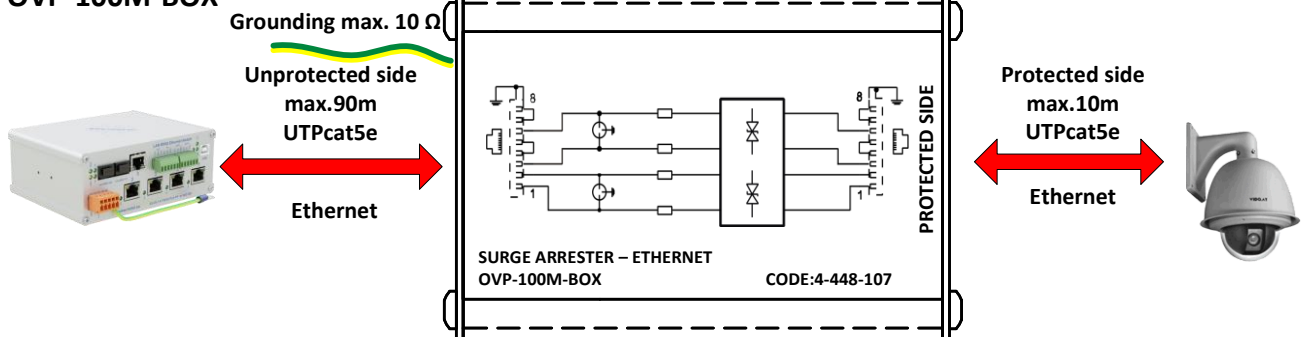
Installation OVP-100M and OVP-100M-HIPOE

1. Mount the protection to a surface.
2. Ground the yellow-green wire to the closest earth bar (earthed in accordance with the national standards).
3. Connect UTP Cat5e cables according to the pictures below. Connect the unprotected side towards the expected source of overvoltage.

OVP-100M-HIPOE-BOX



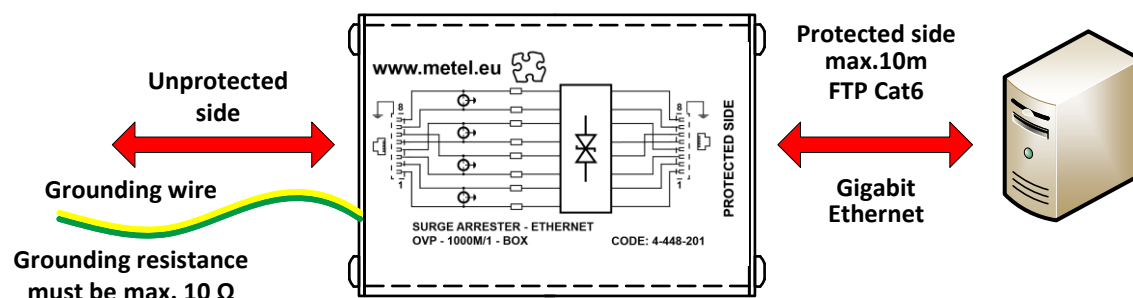
OVP-100M-BOX



Unprotected wires must not cross with protected ones!

Installation OVP-1000M/1-BOX

1. Screw the protection to flat surface or click to DIN rail. Mounting accessories are included.
2. Ground the yellow-green wire to the closest earth point (earthed in accordance to the national standards). Grounding resistance must be up to max. 10Ω.
3. Connect FTP cables according to the pictures below. Protected FTP cables must be laid separately from unprotected. The minimum recommended distance is 10cm.



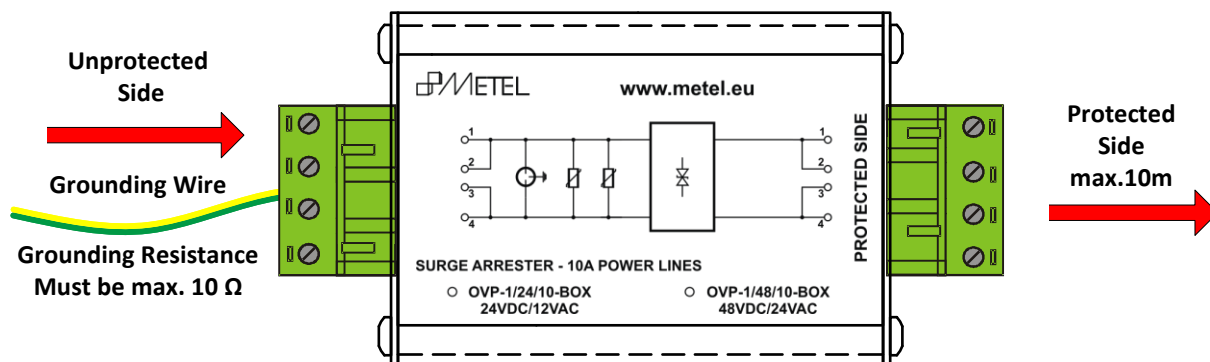
Unprotected wires must not cross with protected ones!

Installation Manual REV:202305
Overvoltage Protections 12, 24 and 48V
OVP-x/x/x-BOX

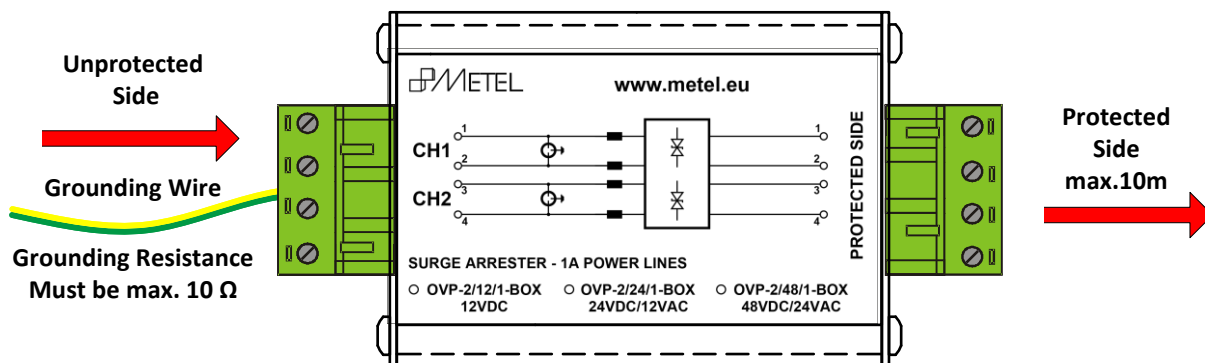
Installation OVP-x/x/x-BOX

1. Screw the protection to a flat surface or snap it onto a DIN rail. Mounting accessories are included in the package.
2. Ground the green-yellow cable to the nearest grounding point (grounded in accordance with national standards).
The grounding resistance must always be up to 10Ω.
3. Connect power supply to the terminals on the unprotected side and the device to the terminals on the protected side.

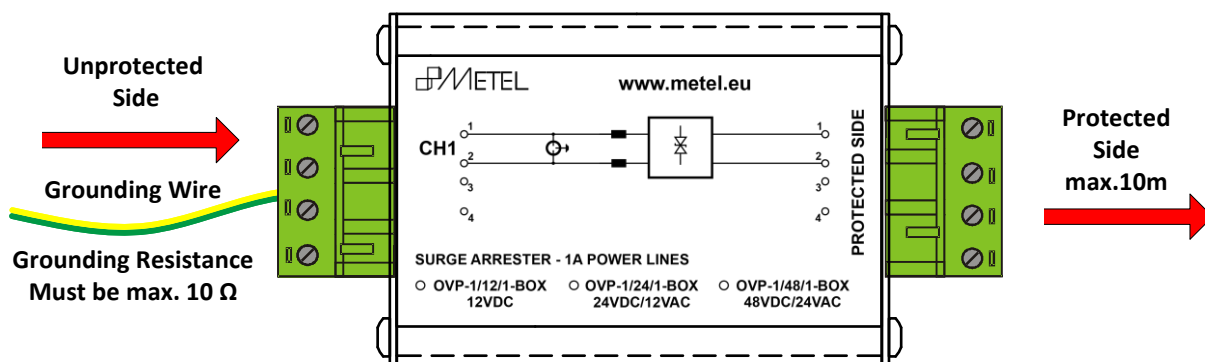
OVP-1/x/10-BOX



OVP-2/x/1-BOX



OVP-1/x/1-BOX



Unprotected wires must not cross with protected ones!