

Surge protectors

Short Catalog Sheet
METEL EU

OVP-1000M

- Overvoltage protection of the 1000BASE-T interface
- Extremely effective two-stage protection
- Suitable for outdoor applications
- Galvanically isolated PE clamp
- Operating temperature from -40 °C to +75 °C



Two-stage surge protection LAN 10/100/1000Mbps. Typical use is to protect servers, DVRs, computers and other sensitive IP devices.

The devices are developed and manufactured in the EU and meet NDAA requirements.

Available models

Order name	Order code
OVP-1000M/1-BOX	4-448-201

Technical parameters

PROTECTED PORTS	
Ethernet standard	1000 BASE-T
Number of protected ports	1
Number of protected pairs	4
Max. Operating voltage (data)	6 V
Max. Operating voltage (PoE)	60 V
Max. Operating current	0,5 A
TRANSMISSION PROPERTIES	
Transmitted power	max. 30 W PoE+ (IEEE 802.3at)
SURGE PROTECTION - TESTS	
C1 nominal discharge current	250 A waveform 8/20 µs (in protected pairs)
C1 protective voltage level	31 V (in protected pairs)
C2 nominal discharge current	1000 A waveform 8/20 µs (in protected pairs)
C2 protective voltage level	87 647 V (in protected pairs protected pair/PE)
ENVIRONMENT	
Operating temperature	-40...+75 °C
Storage temperature	-40...+80 °C
Degree of coverage	IP20
MECHANICAL	
Dimensions - h / w / d	31,5 x 51,5 x 76,1 mm
Connections	RJ45 / RJ45
PE connection	2,5 mm ²
Service life	100 000 h

Standards and protocols

Standard	Note
LAN	10BASE-T / 100BASE-TX / 1000BASE-T
Power over Ethernet up to 15.4 / 30W	IEEE 802.3af/at

EMC and safety

Standard	Level	Note
IEEE 1613		Environmental and Testing Requirements Electric Power Substations
EN 62368-1		Safety requirements of Information technology equipment
EN 61643-21		Surge protectors in telecommunication and signalling networks
EN IEC 63000		The Assessment Of Electrical And Electronic Products With Respect To The ROHS

Notes

- The manufacturer reserves the right to change technical parameters without prior notice.

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Dimensions

