

# Surge protectors

## 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 $\mu$ s (in protected pairs)
C1 protective voltage level	31 V (in protected pairs)
C2 nominal discharge current	1000 A waveform 8/20 $\mu$ s (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 <sup>2</sup>
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.

Document created on 02/10/2026 04:12AM:18

## Dimensions

