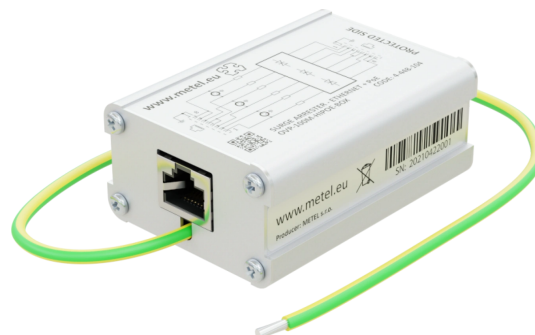


Surge protectors

OVP-100M

- Industrial design
- Two-stage protection
- Compatible with PoE according to IEEE 802.3af, at, bt
- Transmitted power up to 90 W
- Galvanically isolated PE clamp
- Operating temperature from -40 °C to +75 °C



Two-stage surge protection for LAN 10/100 Mbps. Typical application is protection of IP cameras, computers, servers, PLCs and other IP devices. In addition, the HIPOE model also provides highly effective protection for IP devices with PoE/PoE+/PoE++.

The devices are developed and manufactured in the EU and are NDAA compliant.

Available models

Order name	Order code
OVP-100M-HIPOE-BOX	4-448-104
OVP-100M-BOX	4-448-107
OVP-100M-HIPOE-IP55	4-448-109
Holder-Hipoe-IP55	4-500-027

Technical parameters

SURGE PROTECTION

Protected pairs OVP-100M-HIPOE-BOX	4
Protected pairs OVP-100M-BOX	2 (1-2,3-6)
Max. operating voltage (data)	6 (pairs 1-2 and 3-6)
Max. operating voltage PoE (OVP-100M-HIPOE-BOX)	60 V (PoE A and B)
Max. operating current	1 A (each pair)
Degree of protection	3
C2 nominal discharge current 8/20 μ s (core / PE)	1 kA, Up 650 V
C2 maximum discharge current 8/20 μ s (core / PE)	2 kA, Up 630 V
C2 nominal discharge current 8/20 μ s (pairs 1,2 / 3,6)	1 kA, Up 150 V
C2 maximum discharge current 8/20 μ s (pairs 1,2 / 3,6)	2 kA, Up 153 V
C2 nominal discharge current 8/20 μ s (pairs 1,2 or 3,6)	1 kA, Up 60 V
C2 maximum discharge current 8/20 μ s (pairs 1,2 or 3,6)	2 kA, Up 35 V
C2 nominal discharge current 8/20 μ s (pairs 4,5 / 7,8)	1 kA, Up 110 V
C2 maximum discharge current 8/20 μ s (pairs 4,5 / 7,8)	2 kA, Up 112 V
D1 maximum discharge current 10/350 μ s (core / PE)	1 kA, Up 50 V

TRANSMISSION PROPERTIES

Transmitted power	max. 90 W (HIPOE-BOX)
Parasitic capacity	38 495 pF (Pairs 1-2 a 3-6 4-5/7-8 HIPOE-BOX)
Characteristic impedance	100 Ω
Embedded attenuation 1 MHz	0.16 dB



TRANSMISSION PROPERTIES

Embedded attenuation 10 MHz	0.17 dB
Embedded attenuation 31.5 MHz	0.22 dB
Embedded attenuation 100 MHz	0.34 dB
Transfer speed	max. 100 Mbps

ENVIRONMENT

Operating temperature	-40...+75 °C
Storage temperature	-40...+85 °C

MECHANICAL

Dimensions - h / w / d	31,5 x 51,5 x 76,1 mm
Connection	RJ45 / RJ45
PE connection	2,5 mm ² lead
Service Life	100 000 hours



Standards and protocols

Standard	Note
LAN	10BASE-T / 100BASE-TX
Power over Ethernet up to 15.4 / 30 / 90W	IEEE 802.3af/at/bt
POH	Power Over HDBaseT (PoE up to 90W)
UPOE	Universal Power Over Ethernet (PoE up to 60W))

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



METEL.EU
SECURITY & AUTOMATION

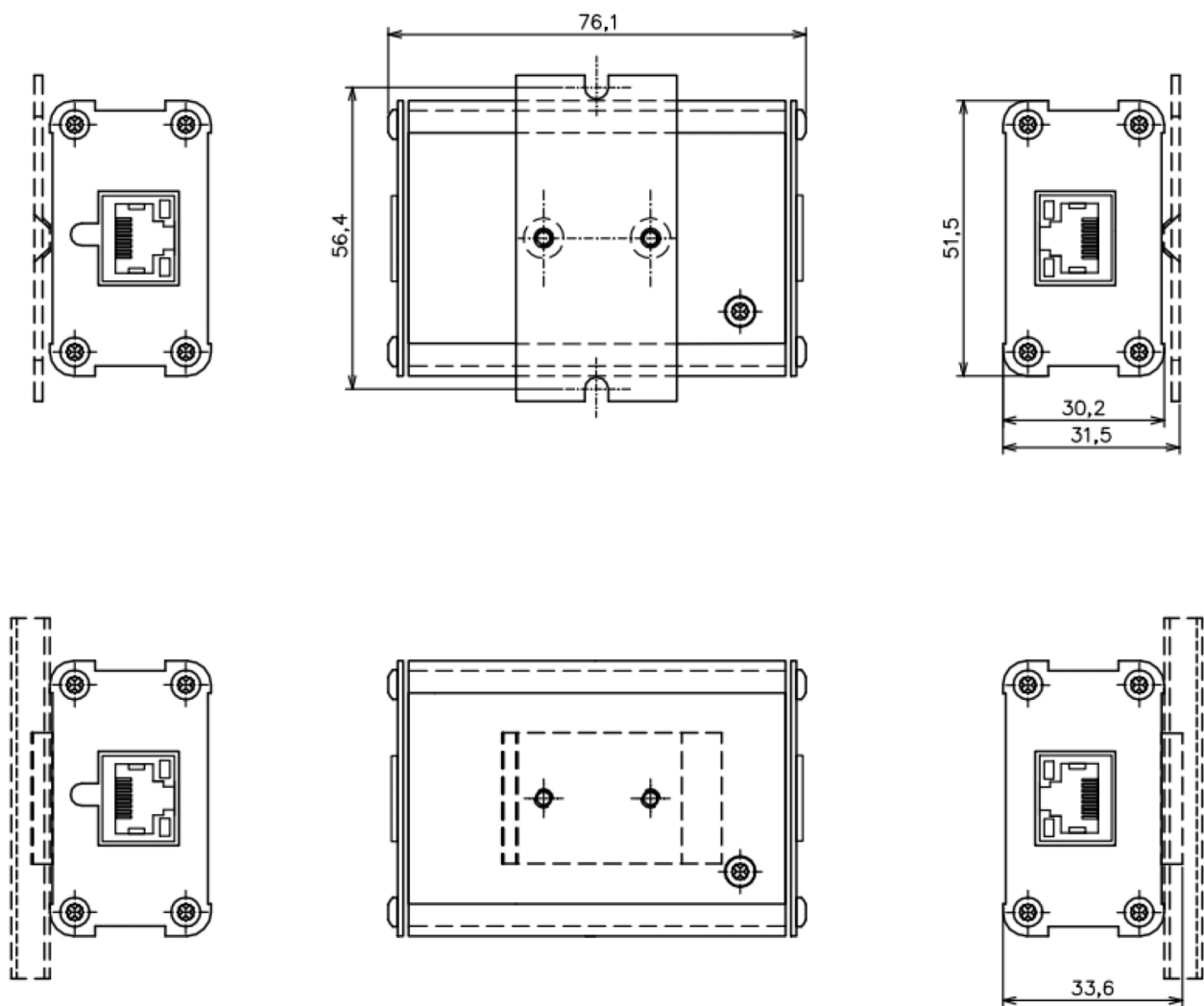
Short Catalog Sheet

Notes

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

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Dimensions OVP-100M





Dimensions OVP-100M-HIPOE-IP55

