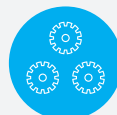


OVP

Overvoltage Protection Devices

DIN 35 rail mounted overvoltage protection devices are designed for protection of communication lines and sensor inputs/outputs from surges generated in industrial noisy environment (switching inductive loads in close areas), from atmospheric discharges (lightning / LEMP) and electrostatic discharges, thus minimizing the probability of damage of communication ports, sensors and other equipment.



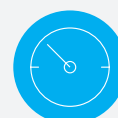
Several variants



Standardized DIN size



Two level surge protection



Fast response time

Installation

The OVP is designed for attachment on the DIN35 rail. It is recommended to install them as close as possible to protected device, or at the entry of external cables into building.

OVP has the input for high quality ground connection. The ground connection must be screwed in with mechanical stability. The improper ground connection may result in high impedance to ground and low quality of protection.

Technical specifications

Maximal working voltage (OVPs are delivered in several modifications)

OVP Phone	± 160 V (4 protected lines)
OVP Data	± 12 V (4 protected lines)
OVP Data UNI	12 V (4 protected lines)
OVP Power	30 V (2 protected lines)
OVP 485	± 5 V (4 protected lines)
OVP Power 485	Power: ±30 V (1 protected line) 485: ±12 V (1 protected line)
OVP Power Data	Power: 30 V (1 protected line) Data: ±12 V (1 protected lines)

First level protection (GDT)

Max. impulse discharge current	2.5 kA / 4 kA (10 / 350 μs)
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Second level protection (TVS)

Peak pulse power dissipation	600 W (10 / 1000 μ s)
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Mechanical

Housing classification	IP 20
Housing material	polyamide
Type of connection	terminal block 16 A (max 2.5 mm ²)
Dimensions (length x width x height)	98 x 17.5 x 57 mm
Weight	60 g

