

Video (Ethernet) Overvoltage Limiter OPV-32S

The overvoltage limiter (surge protector) OPV-32S is designed for protects the following devices:

- video devices, with differential (symmetrical) video signal transmission,
- Ethernet 10/100 network devices: router, switch, hub, etc.

The OPV-32S has 8 channels (input and output for each channel). For each channel the device protects all wires of the twisted-pair cable carrying away the stroke current to the ground. It effectively protects the electronic devices.

The overvoltage limiter is used for applications with differential video signal transmission via twisted-pair cable.

The OPV-32S does not affect video signal quality and no supplying is required (passive device).

ATTENTION! Before installation please read the next instructions:

- Any installation work cannot be led during thunderstorm.
- The OPV-32S requires good quality grounding installation.
- The limiter should be placed as near as possible to the guarded appliance.

Specifications:

Treshold voltage (w ire / w ire)	> 2,4V
Treshold voltage (w ire / ground)	> 18,4V
Maximum stroke current (8/20uS)	5kA
Wire serial impedance	1Ω
Capacitance	<7pF
Reaction time	15ns
Grounding	gas spark arrester and 5mm grounding bolt
Number of channels	8
RJ-45 connector protected w ires	1, 2, 3, 4, 5, 6, 7, 8
Symmetrical in/out socket type	16 x RJ-45 (8-pins, 4 pairs)
Case type	1RU (19")
Operation temp. / relative humidity.	-50°C to +55°C / <95%
Dimensions (W x H x L) / w eight	483x44x135mm / 1350g

Schematic diagram:

