

Code: AXON-POE-MULTINET-12

OVERVOLTAGE LIMITER **AXON-POE-MULTINET-12**

The AXON-POE-MULTINET-12 is multi-channel device of AXON company designed to overvoltage protection of Ethernet 10/100 Mb/s network devices connected to it and powered remotely with PoE technology.

Each of 12 AXON-POE-MULTINET-12 channels has 2 lines - the data line (pairs: 1-2, 3-6) and power line (pairs: 4-5, 7-8). To increase the load of power line the wire 4 is shorted to wire 5, and the wire 7 to 8.

Using the shielded RJ-45 sockets and FTP cable you can ensure shield continuity. The socket shield is connected to the ground. The condition of correct protection is connecting the AXON-POE-MULTINET-12 device to the proper grounding or PE wire.



| Signal line - wires 1-2, 3-6: | |
|--|---|
| Rated voltage: | 5 V |
| Maximal voltage: | 6 V |
| Voltage protection level line-line: | $\leq 40 \text{ V} - 1 \text{ kV}/\mu\text{s}$ |
| Voltage protection level line-PG: | $\leq 600 \text{ V} - 1 \text{ kV}/\mu\text{s}$ |
| Nominal discharge current (line-line): | 20 A (10/1000 μs) |
| Nominal discharge current (line-PG): | 20 A (10/1000 μs) |
| Power line - wires 4, 5 and 7, 8: | |
| Nominal power voltage: | 50 V |
| Maximal power voltage: | 56 V |
| Nominal current: | 400 mA |
| Voltage protection level line-line for power: | $\leq 95 \text{ V} - 1 \text{ kV}/\mu\text{s}$ |
| Voltage protection level line-PG for power: | $\leq 1000 \text{ V} (1.2/50\mu\text{s})$ |
| Nominal discharge current line-line for power: | 10 A (10/1000 μs) |
| Nominal discharge current for power (line-PG): | 2 kA (8/20 μs) |
| Protection parameters compliance: | Compliance with PN-EN61643-21 |
| General information: | |
| Number of channels: | 12 |
| Sockets type: | RJ45 (8P8C) |
| Housing: | Metal, black |
| Weight: | 1.07 kg |
| Dimensions: | 1 U Rack 19" 488 x 44 x 50 mm |
| Guarantee: | 2 years |