

Code: AXON-POE

OVERVOLTAGE LIMITER **AXON-POE** ETHERNET

A limiter designed to protect devices connected to the Ethernet 10/100 Mb/s network, including devices powered by PoE.

Device is equipped with 2 lines - data transmission line (pairs 1-2, 3-6) and power line (pairs 4-5, 7-8). The both lines are protected by overvoltage elements, which carrying away the discharge current to the ground and protecting the wires between themselves within the same pair. To increase the load of power line the wire 4 is shorted to wire 5, and the wire 7 to 8. The condition of correct protection is connecting the AXON-POE 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):	40 V
Voltage protection level line-PG:	600 V
Nominal discharge current (line-line):	100 A (8/20μs)
Nominal discharge current (line-PG):	100 A (8/20μs)
Maximal discharge current (line-line):	135 A (8/20μs)
Maximal discharge current (line-PG):	135 A (8/20μs)
Capacity:	< 30 pF
Power line - wires 4, 5 and 7, 8:	
Nominal power voltage:	0 ... 50 V
Maximal power voltage:	56 V
Nominal current:	400 mA
Voltage protection level for power (line-line):	125 V
Voltage protection level line-PG:	1 kV
Nominal discharge current for power (line-line):	80 A (8/20μs)



DATA SHEET

Nominal discharge current for power (line-PG):	1 kA (8/20μs)
Maximal discharge current for power (line-PG):	2.5 kA (8/20μs)
Sockets types:	RJ45 (8P8C)
Dimensions:	67 x 61 x 30 mm
Weight:	0.06 kg
Guarantee:	2 years