

ZoneBarrier

Ethernet, 4PPOE range

- 20KA Surge rating
- Shielded RJ45 connectors
- Single stage GDT protection circuit
- 1000/100/10 BaseT allows ethernet applications up to CAT6
- UL497B by CSA
- Compliance to IEC61643-21
- 10 year product warranty



The ZoneBarrier Ethernet, 4PPOE range of SPDs represents the leading edge design in the protection of network ethernet equipment for a full range of ethernet applications from 10 baseT to 1000 baseT and to the highest power requirements of 4 pair POE. In recent years, the application of POE has expanded and the latest standard IEEE802.3bt allows power over 4 pairs of ethernet cable upto 90W. ZoneBarrier SPD meets the POE requirements to Type 1 & Type 2 according to IEE802.3 and Type 3 & Type 4 POE according to IEEE802.3bt uses all 4 pairs in an Ethernet cable to deliver power and data over the same medium up to 90W,

The unique design of the ZoneBarrier series allows these units to be either DIN rail mounted, or surface mounted, which ever means best fits the specific application. The DIN rail locking mechanism provides a firm and secure attachment to the DIN rail while providing a secure earth/grounding bond. The surface mounting feature allows the unit to be easily used in standalone applications. Shielded RJ45 connectors allows both shielded and unshielded RJ45 cables.

Meeting and exceeding the requirements of IEC61643-21, certification to UL497B by CSA and carries an unrivalled “no fuss” 10 year manufacturer’s warranty.

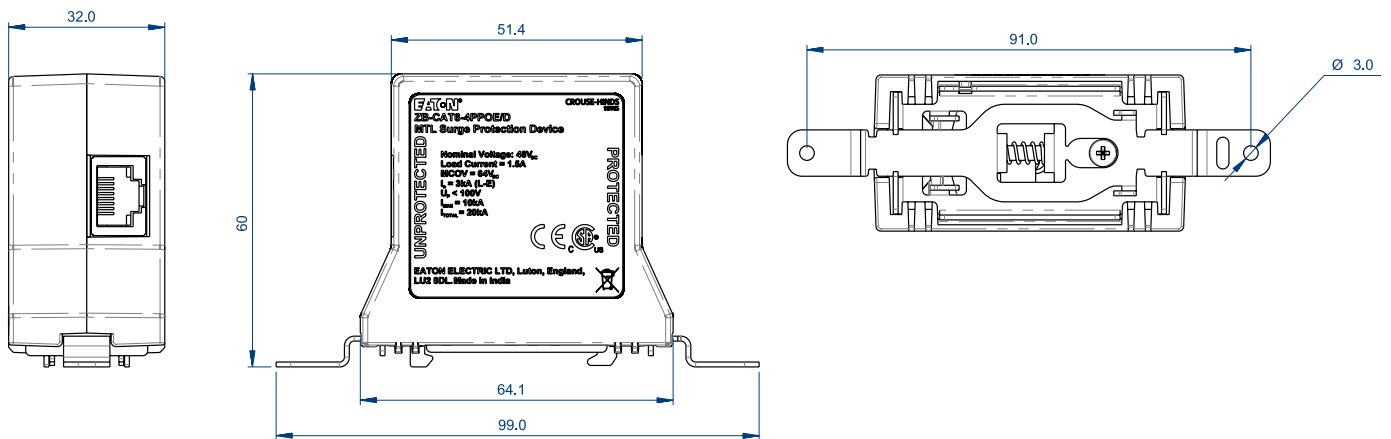
SPECIFICATION

ZB-CAT6-4PPOE/D	
Nominal voltage	48V
MCOV	64V
Load current	1.5A
Frequency	250MHz
Impulse current rating (10/350µS), D1	1kA
Nominal discharge current (8/20µS) C2	3kA
Total discharge current (8/20µS)	20kA
Voltage protection level	<100V @3kA
Insertion loss	<1dB @ 250Mhz
POE Compliance	Type 1&2 according to IEEE802.3af, at and Type 3&4 POE according to IEEE802.3bt
Mounting	DIN rail and surface mount
Connection cable	STP and UTP cable
Ambient temperature	-40°C to +75°C
Compliance	Complies to ANSI/TIA568.2-D, TIA/EIA-568-B.2.1, IEC61643-21.
Certification	UL497B by CSA.

ORDERING INFORMATION

ZB-CAT6-4PPOE/D	Basic Protector Cat6 4PPOE
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DIMENSIONS



All dimensions are in mm



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