THE DATALINE SERIES

12-00974
rev 1

GIGABIT FAST ETHERNET INLINE PROTECTOR
POWER OVER ETHERNET - POE

Features

- All 8 lines protected
- Each pair supports 250Mbits/s
- Negligible insertion loss

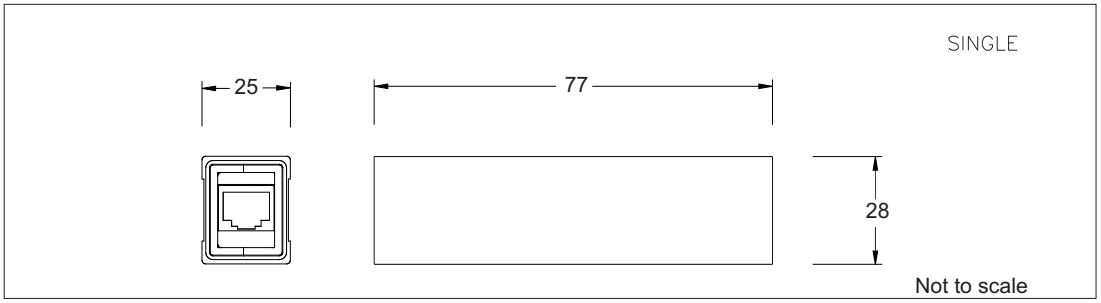
Protects fast gigabit ethernet LAN equipment such as hubs, switches and network interface cards from induced lightning and electrostatic discharge.
The device is designed for indoor or outdoor use inside a weatherproof enclosure.

Compatible to 100Base-T and 1000Base-T

Specifications	
Clamping Voltage - Data Lines	<5V
Clamping Voltage - POE Lines	<60V
Maximum discharge current - coarse protection	2kA (8/20)
Maximum discharge current - fine protection	40A (8/20)
Pairs protected	1-2, 3-6, 5-4, 7-8
Standards compliance	IEEE 802.3u/IEEE 802.3ab/af
Test frequencies in MHz	100
NEXT (Limits as per IEC 802.3)	<39.9
Return loss (Limits as per IEC 802.3)	<10.2
Attenuation (Limits as per IEC 802.3)	<20.8
Data rate	>250 Mbits/s
Bandwidth (3 dB) per pair	>350MHz

POE Pinout:	
Pin	
1	
2	
3	
4	Vport Positive
5	Vport Positive
6	
7	Vport Negative
8	Vport Negative

Dimensions



Designed and Manufactured by:

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