

THE DATALINE SERIES

Din Rail Gigabit in-line Protector Power Over Ethernet - POE Mode A+B

Features

- All 8 lines protected
- Protection for Mode A +B
- Each pair supports 250Mbps/s
- Negligible insertion loss
- Good transmission rate
- Din Rail mountable

Protects gigabit POE ethernet LAN equipment such as hubs switches, network interface cards, IP POE cameras and wireless AP from induced lightning and electrostatic discharge.

PDs must support BOTH Mode A and Mode B to be compliant with the 802.3af standard

The Clearline Din Rail unit protects both Modes (Mode A & Mode B configurations)

Backward compatible to 100Base-T

Specifications	
Network/Dataline Surge Protection	
Max. Discharge Current (Fine L-L)	40A (8/20us)
Max. Discharge Current (Coarse L-E)	2.5kA (8/20us)
Residual Voltage - Data Lines	<5V (1.2/50us)
Residual Voltage - POE Lines	<60V(1.2/50us)
Technology Supported	Gigabit Cat5e
Data Speed Supported	>1000 MBit/s
Supported POE Modes	Mode A & Mode B
Pairs Protected - Data lines	1-2, 3-6, 4-5, 7-8
- POE Mode A lines	1-3, 1-6, 2-3, 2-6
- POE Mode B lines	4-7, 4-8, 5-7, 5-8

Other	
Indication	N/A
Temperature Range	-20°C to +70°C
Standard Compliance	IEEE 802.3ab/at
Lead Length	1x 300mm RJ45-RJ45 Cable
Dimensions	90x18x55mm
Weight	0.05kg

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rev0

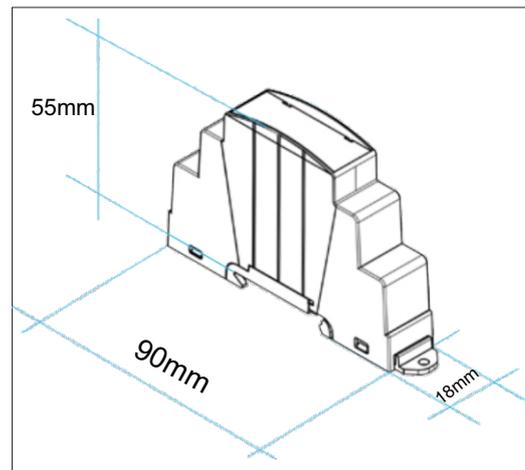


*Specifications subject to change without prior notice due to continuous improvements

Pinout Configuration

Pin	Mode A	Mode B
1	TxRx A+ DC+	TxRx A+
2	TxRx A- DC+	TxRx A-
3	TxRx B+ DC-	TxRx B+
4	TxRx C+ DC+	TxRx C+ DC+
5	TxRx C- DC+	TxRx C- DC+
6	TxRx B- DC-	TxRx B-
7	TxRx D+ DC-	TxRx D+ DC-
8	TxRx D- DC-	TxRx D- DC-

Dimensions



Designed and Manufactured by:

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