

THE DUOLINE SERIES

12-00422

Multifector

Features

- Plug-and-Play concept
- High surge capability
- Fire hazard protection
- All 4 data lines protected (RJ45)

Protects fast ethernet LAN equipment such as hubs, switches and network interface cards from induced lightning and electrostatic discharge.

Supports the compliment of 100Base-T configurations:
100Base-Tx, 100Base-T4 and 100Base-VG.
Backwards compatible to 10Base-T



The unit simply gets plugged into the wall socket and the equipment plugs directly into the unit. Clearline protects your equipment against lightning and surges without additional earthing. The protection is capable of blocking severe lightning and power surges. The unit incorporates a fast overload device which will be activated in extreme conditions. Clearline's unique built-in thermal protection technology has been included to eliminate fire hazards.

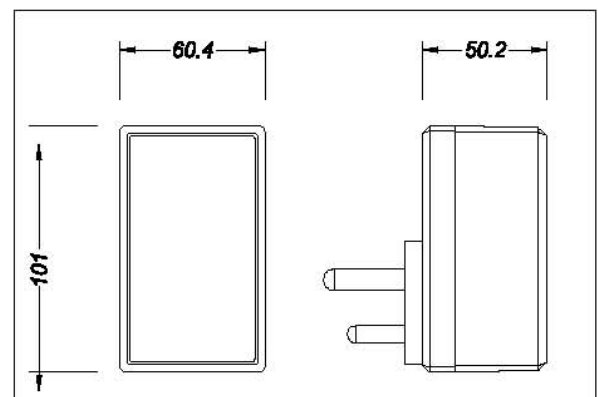
Specifications

Power Module	
Nom. input voltage	230VAC 50Hz
Max. load current (Thermal Overload protected)	16A
Max. discharge current at 8/20	8kA L-N, L-E, N,E
Response Time	<25ns
Indication LED	Power on & Earth connected
Standards compliance	IEC 99.4, ANSI C62.42
Modem Module	
Operating Voltage	230V DC
Max. discharge current at L-L	2.5kA
Residual voltage at Ismax L-L	100V (typ)
Max. discharge current at L-E	2.5kA
Residual voltage at Ismax L-E	100V (typ)
Data speed	64kbits/s
Data connector	RJ 11
No. of wires	2

Data module

Clamping voltage	<10V(1.2/50)		
Max. discharge current (Fine protection)	300A (8/20)		
Max. discharge current (coarse protection)	10kA (8/20)		
Pairs protected	1-2, 3-6		
Data rate	>200Mbits/s		
Bandwidth	>350MHz		
Standards compliance	Fast ethernet 802.3u; IEC 11801 and IEEE 802.3		
Test frequencies in Mhz	20	82.5	100
Insertion loss in dB (with RJ45 sockets)	<0.10	<0.10	<0.30
Next (Limits as per IEC 11801)	>43 (35)	>32.4 (27)	>33.6 (24)
Return loss (Limits as per IEC 11801)	>27.8 (15)	>31.4 (10)	>22.8 (10)

Dimensions



Supplied with:

- 1 x 2m x RJ 45 Cable Cat5
- 1 x 2m x RJ 11 Cable

Designed and Manufactured by:

Clearline Protection Systems (Pty) Ltd
Roan Crescent Corporate Park North, Old Pta Road, Mldrand, South Africa
P.O. Box 5985, Halfway House, 1685
Tel: +27 (0) 11 848-1111
Fax: +27 (0) 11 314-3880
E-mail: sales@clearline.co.za
www.clearline.co.za

