

# THE DUOLINE SERIES

12-00711

## Multitector with IEC Lead

### Features

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

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 is connected via the IEC lead. 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.

Another feature is the indication that will notify the user when power and earth is connected.



### 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
Output Lead included	5m

#### Modem Module

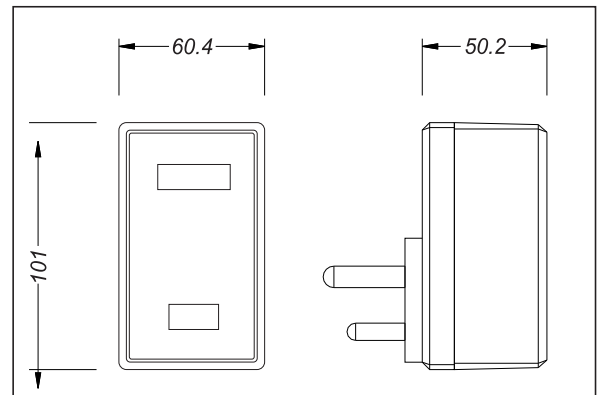
Operating Voltage	230V DC
Max. discharge current at L-L	2.5kA
Residual voltage at Ismax L-L	100V (typ)
Max. discharge current at L-E	2.5kA
Residual voltage at Ismax L-E	100V (typ)
Data speed	64kbits/s
Data connector	RJ 11
No. of wires	2

#### Data module

Clamping voltage	<5V(1.2/50)
Max. discharge current (Fine protection)	40A (8/20)
Max. discharge current (coarse protection)	2,5kA (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	62.5	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 3m x RJ 45 Cable Cat5
- 1 x 3m x RJ 11 Cable

### Designed and Manufactured by:

#### Clearline Protection Systems (Pty) Ltd

Roan Crescent Corporate Park North, Old Pta Road, Midrand, 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

