



Mille-Guard™

www.millepede.com



Mille-Guard™ devices are a complete line of fast trip disposable secondary surge suppressors developed to safeguard commercial and residential applications from the quick and often unnoticed power surges that have damaged untold numbers of equipment in the communication loop such as telephones, computers, security systems and CATV.

Transient secondary surges, often referred to as “sneak current,” are known to exist in all electrical lines as well as analog and digital telephone lines and network connections. Primary surge suppressors do not protect against these low level power spikes; 65% of all surges originate within the structure and are ignored by external surge suppressors. The Mille-Guard™ is designed to compliment these primary protectors. It is also adaptable to wireless configurations.

The Mille-Guard™ comes in two models, Ethernet and Telephonic, and is very easy to install and replace. It's easier and safer than connecting the cable to a TV or computer. The low cost Mille-Guard™ offers a significant return on your investment. It protects valuable information services equipment, network cards and will reduce the number of repair calls resulting from transient surges.

The Mille-Guard™ is the one surge suppressor that protects all equipment in the information system loop from transient secondary surges.



- Fast Trip Transient Surge Protection from 375 MA to 750 MA

- Protects Against Secondary Surges Originating within the Power Loop

- Ethernet, Telephonic and Wireless Compatible

- User Friendly and Portable

Product Code	EAN Code	Description	Pack Size
MPMG-12-1-DT	5060029110352	Mille-Guard (RJ12) Telephone	1
MPMG-12-3-DT	5060029110369	Mille-Guard (RJ12) Telephone	3
MPMG-45-1-DT	5060029110338	Mille-Guard (RJ45) Ethernet	1
MPMG-45-3-DT	5060029110345	Mille-Guard (RJ45) Ethernet	3

Mille-Guard Technical Specification



Complete Surge Protection Device Tested according to IEC60950-1 and meets all standards.

ELECTRICAL CHARACTERISTICS:

SHORT CIRCUIT CAPABILITIES: Fuses meet UL 60950 (UL 1459 Included) and UL 497 Specifications.

PEAK WITHSTAND CURRENT (Ip): The fuses within the protection device will withstand 50 repetitions of a double exponential impulse wave having PEAK CURRENTS (Ip) and peak voltages as shown below.

	10 x 160	10 x 560	10 x 1000
Ampere	m		
M	Microsec.	Microsec.	Microsec.
Rating	1500V	800V	1000V
3/8	40.0A	25.4A	19.0A

PHYSICAL SPECIFICATIONS:

MATERIALS: Plastic outer casing, Female/Male RJ 45 connectors, Category 5 cable. 2 Glass Body, Nickel-Plated Brass Fuse Caps fuses.

ENVIRONMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE: -55 C to 125 C

SHOCK: MIL-STD-202, Method 213, Test Condition 1 (100 G's peak for 6 milliseconds).

VIBRATION: MIL-STD-202, Method 201 (10-55 Hz, 0.06 inches total excursion).

SALT SPRAY: MIL-STD-202 Method 101, Test Condition B (48 hours). Insulation Resistance (After Opening): MIL-STD-202, Method 302, Test Condition B.

RESISTANCE TO SOLDERING HEAT: (Axial Leaded Fuses): MIL-STD-202, Method 210A, Test Condition B (260 C, 3 Seconds).

THERMAL SHOCK: MIL-STD-202, Method 107, Test Condition B (-65 C to 125 C).

MOISTURE RESISTANCE: MIL-STSD-202, Method 106 (90-98% RH, 65 C).

SOLDERABILITY: (Axial Leaded Fuses): MIL-STD-202, Method 208.

Millepede Europe & Middle East

Millepede Marketing Limited

P.O Box 5261
Milton Keynes, MK17 9RE
United Kingdom
Phone: +44 (0) 8708 030 910
Fax: +44 (0) 8708 030 920

Millepede Australasia

Millepede International Limited

Level 12, 251 Adelaide Terrace
Perth, WA 6000
Australia
Phone: +61 (8) 9221 3581
Fax: +61 (8) 9325 5313

Millepede Americas

Millepede Inc.

PO Box 732
Warren, PA 16365
United States of America
Phone: 1-716-355-4154
Fax: 1-716-355-4214