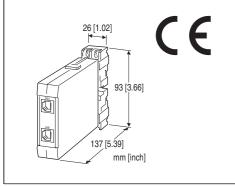
MODEL: MD-INS

Lightning Surge Protectors for Electronics Equipment M-RESTER

LIGHTNING SURGE PROTECTOR FOR ISDN CIRCUIT USE

Functions & Features

• Designed specifically to protect devices connected to ISDN circuit from lightning surges



Line to ground: ±650 V max.

(The maximum voltage that could pass through M-RESTER. Protected equipment must be able to withstand this voltage

for very short time period.) Response time: $\leq 0.1 \mu sec.$

Leakage current

Line to line: \leq 50 μ A at \pm 65 V DC Line to ground: \leq 50 μ A at \pm 140 V DC

Discharge current capacity

Modular jack connection: 500 A (8 / 20 μ sec.) Screw terminal connection: 10000 A (8 / 20 μ sec.)

Max. load current: 100 mA

Internal series resistance: Approx. 4 Ω including return

Maximum line voltage: ±65 V

STANDARDS & APPROVALS

EU conformity: RoHS Directive

MODEL: MD-INS

ORDERING INFORMATION

Code number: MD-INS

GENERAL SPECIFICATIONS

Construction: Plug-in

Connection

ISDN circuit: Modular jack or M3.5 screw terminals

(torque 0.8 N·m)

Grounding: M3.5 screw terminals

(torque 0.8 N·m)

Modular jack cord: 6-pole, 2-core Screw terminal: Nickel-plated steel

Housing material: Flame-resistant resin (black)

INSTALLATION

Operating temperature: -5 to +55°C (23 to 131°F)
Operating humidity: 30 to 90 %RH (non-condensing)
Mounting: Surface or DIN rail; Standard Rack Mounting

Frame BX-16H available **Weight**: 150 g (0.33 lb)

PERFORMANCE

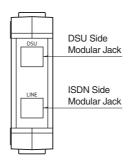
Discharge voltage (peak voltage)

Line to line: ±65 V min.
Line to ground: ±290 V min.

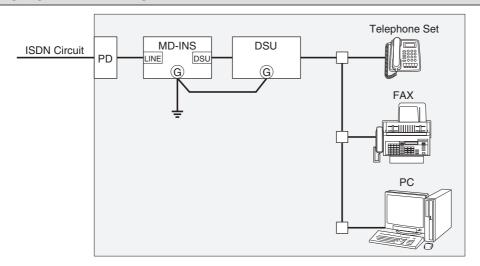
Maximum surge voltage
Line to line: ±100 V max.

MODEL: MD-INS

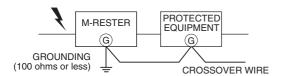
EXTERNAL VIEW



CONNECTION EXAMPLES



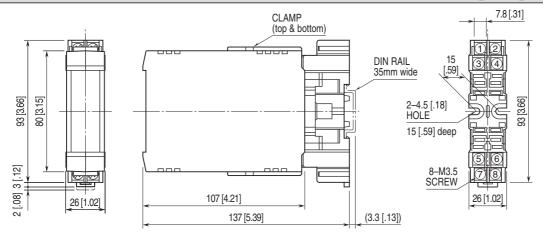
GROUNDING



A crossover wire between M-RESTER ground and ground or metallic housing of equipment is required for protection.

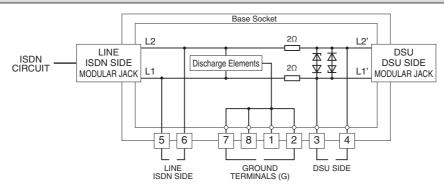
If the protected equipment has no ground terminal, ground the M-RESTER only.

EXTERNAL DIMENSIONS & TERMINAL ASSIGNMENTS unit: mm [inch]



•When mounting, no extra space is needed between units.

SCHEMATIC CIRCUITRY



Be sure to cross-wire between the G terminal of telephone set and one of the terminals 7, 8, 1, or 2 of the MD-INS.



Specifications are subject to change without notice.