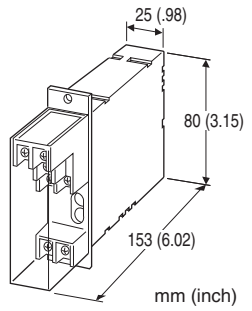
Lightning Surge Protectors for Electronics Equipment M-RESTER

LIGHTNING SURGE PROTECTOR FOR POWER SUPPLY USE

2 A, 120 V AC / 170 V DC; rack-mounted)

Functions & Features

- Designed specifically for AC/DC power supplies up to 2 amps
- Rack-mounted
- Two channels in one housing



MODEL: MGA–100

ORDERING INFORMATION

- Code number: MGA-100

GENERAL SPECIFICATIONS

Construction: Rack-mounted; terminal access via screw terminals at the front; terminal cover provided
Connection: M3.5 screw terminals (torque 0.8 N·m)
Screw terminal: Nickel-plated steel
Housing material: Flame-resistant resin (black)
Monitor lamp: Red on when the power is supplied.

INSTALLATION

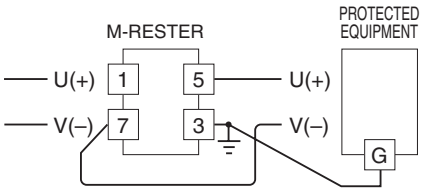
Operating temperature: -5 to +55°C (23 to 131°F)
Operating humidity: 30 to 90 %RH (non-condensing)
Mounting: Rack-mounted; Standard Rack Mounting Frame BX-16G available
Weight: 200 g (0.44 lbs)

PERFORMANCE

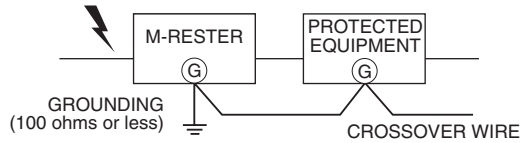
Discharge voltage (peak voltage)
Line to line: 190 V min.
Line to ground: 410 V min.
Maximum surge voltage
Line to line: 400 V max.
Line to ground: 800 V max.
(The maximum voltage that could pass through M-RESTER. Protected equipment must be able to withstand this voltage for very short time period.)
Response time: ≤ 0.1 µsec.
Leakage current
Line to line: ≤ 2 mA at 150 V DC
Line to ground: ≤ 1 mA at 300 V DC
Max. discharge current (Imax): 1000 A (8/ 20 µsec.)
Max. load current: 2 A
Rated line voltage: 120 V AC, 170 V DC

CONNECTION EXAMPLES

Connection example with Ch.1

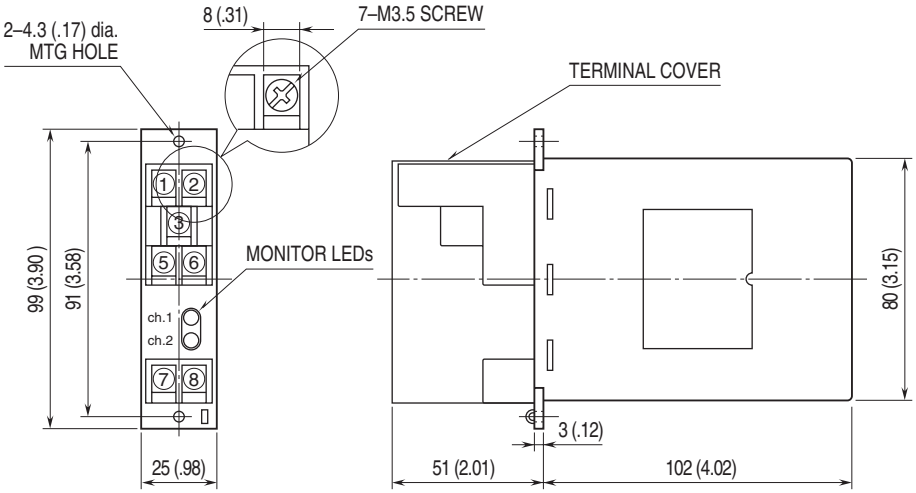


GROUNDING

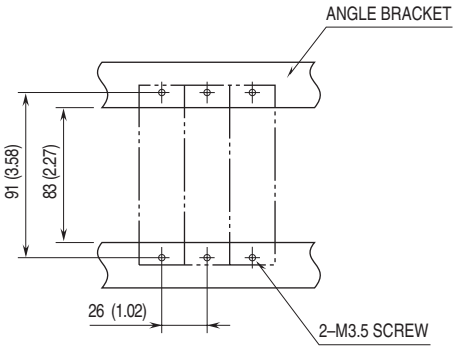


A crossover wire between M-RESTER ground and ground or metallic housing of equipment is required for protection.
If the protected equipment has no ground terminal, ground the M-RESTER only.

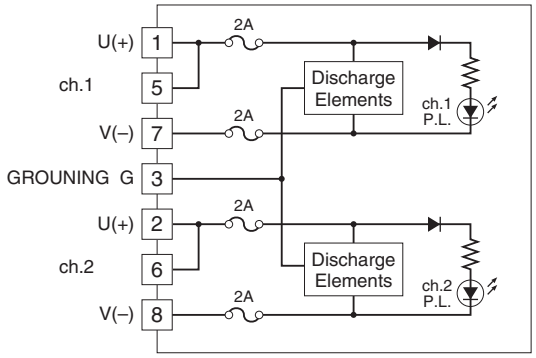
EXTERNAL DIMENSIONS & TERMINAL ASSIGNMENT mm (inch)



MOUNTING REQUIREMENTS unit: mm (inch)



SCHEMATIC CIRCUITRY



Make sure to connect a DC power source in the proper polarity in order to turn the LED on.

⚠ Specifications are subject to change without notice.