

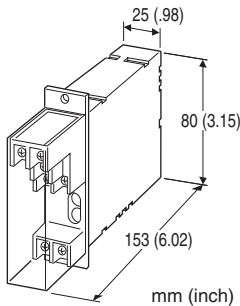
Lightning Surge Protectors for Electronics Equipment M-RESTER

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



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: $\leq 0.1 \mu\text{sec.}$

Leakage current

Line to line: $\leq 2 \text{ mA}$ at 150 V DC

Line to ground: $\leq 1 \text{ mA}$ at 300 V DC

Max. discharge current (I_{max}): 1000 A (8/ 20 $\mu\text{sec.}$)

Max. load current: 2 A

Rated line voltage: 120 V AC, 170 V DC

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 LED turns 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 lb)

PERFORMANCE

Discharge voltage (peak voltage)

Line to line: 190 V min.

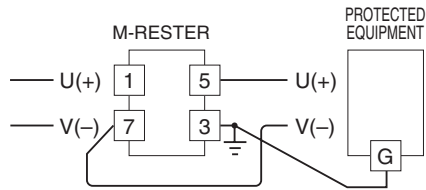
Line to ground: 410 V min.

Maximum surge voltage

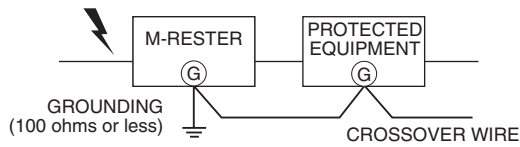
Line to line: 400 V max.

CONNECTION EXAMPLES

Connection example with Ch.1



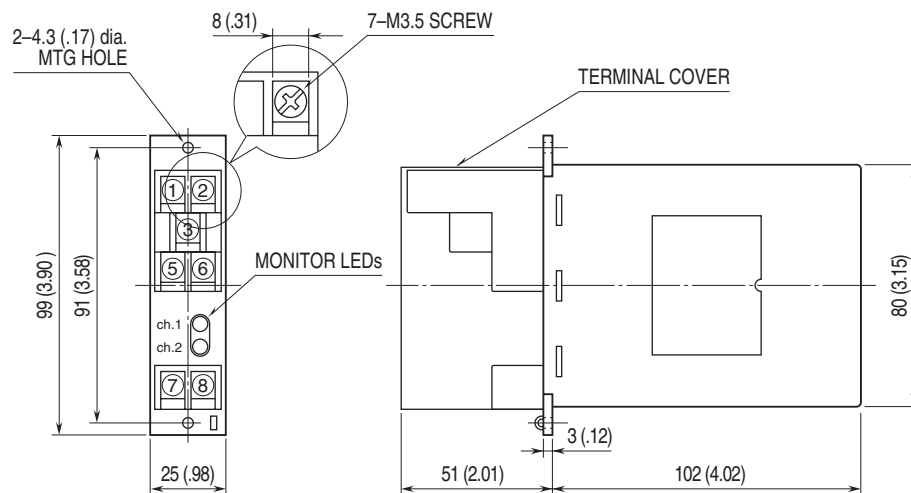
GROUNDING



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

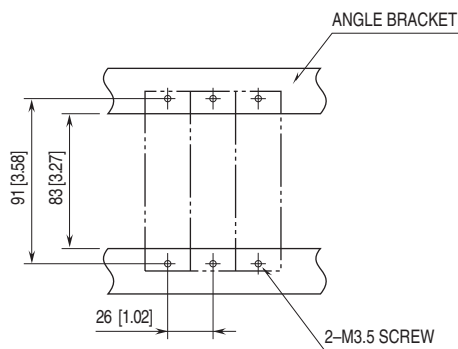
If the protected equipment has no ground terminal, ground the M-RESTER only.

EXTERNAL DIMENSIONS & TERMINAL ASSIGNMENT unit: mm [inch]

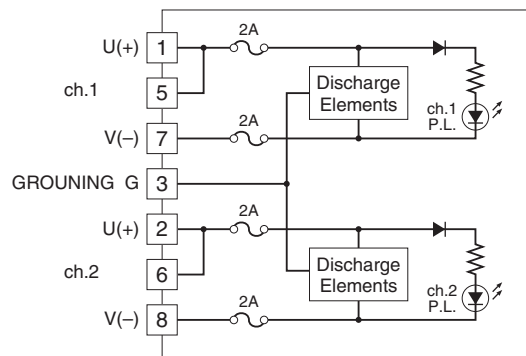


MOUNTING REQUIREMENTS unit: mm [inch]

■ ANGLE BRACKET



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.