Lightning Surge Protectors for Electronics Equipment M-RESTER

LIGHTNING SURGE PROTECTOR FOR POWER SUPPLY USE

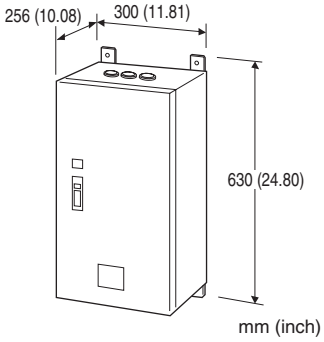
(200 V / 220 V / 240 V AC, 3-phase)

Functions & Features

• Designed for installation where AC power enters the control panel for relatively large power consuming equipment such as large instrumentation panels, computer systems or telemetering systems in central control rooms or operation centers

• Composed of air-core reactors, large capacity discharge elements and electromagnetic contactors

• Thermal fuse in parallel with the discharge element opens and cuts off the operating circuit for the electromagnetic contactor in case of discharge elements failure, thus protecting the equipment connected to the arrester



MODEL: MH–2203

ORDERING INFORMATION

• Code number: MH-2203

GENERAL SPECIFICATIONS

Connection

Primary side: M12 screw terminals

Secondary side: M10 screw terminals

Screw terminal: Nickel-plated brass

Housing material: Steel plate t = 1.6 (black)

INSTALLATION

Operating temperature: -5 to +55°C (23 to 131°F)

Operating humidity: 30 to 90 %RH (non-condensing)

Mounting: Surface

Weight: 45 kg (99.2 lbs)

PERFORMANCE

Discharge voltage (peak voltage)

Line to line: 380 V min.

Line to ground: 410 V min.

Maximum surge voltage

Line to line: 700 V max.

Line to ground: 700 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: ≤ 1 A (at rated voltage, including relay coil current)

Line to ground: ≤ 1 mA at 300 V DC

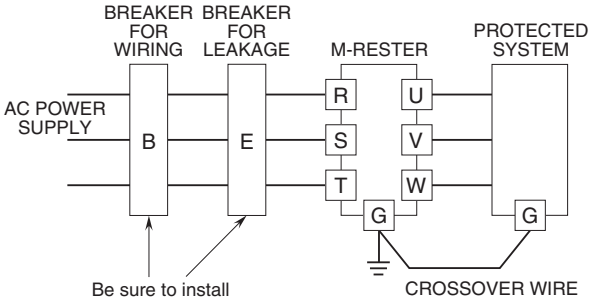
Discharge current capacity: 10000 A (8/ 20 µsec.)

Maximum load current: 200 A

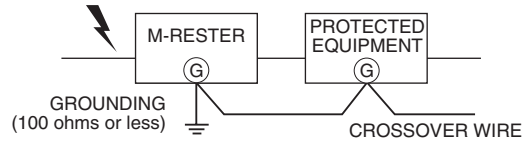
Voltage drop: ≤ 2 V (50/60 Hz)

Rated line voltage: 200 V / 220 V / 240 V AC

CONNECTION EXAMPLES

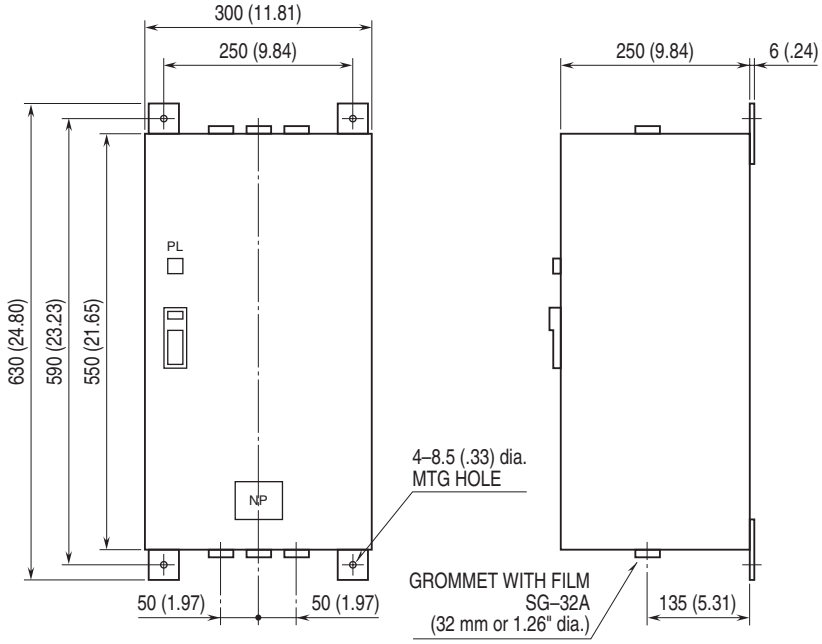


GROUNDING



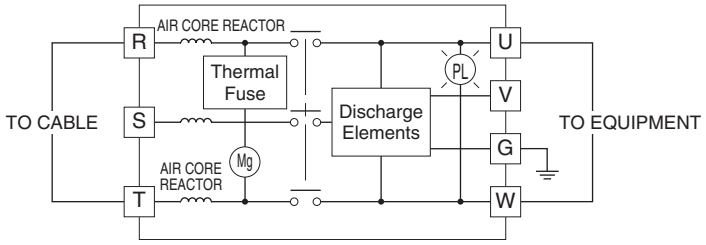
A crossover wire between M-RESTER ground and ground or metallic housing of equipment is required for protection.
If the protected equipment has no ground terminal, ground the M-RESTER only.

DIMENSIONS unit: mm (inch)



PL : POWER PILOT LAMP
NP : NAMEPLATE

SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



⚠ Specifications are subject to change without notice.