MX38 Series are automatic, modified and manual reset circuit protectors designed for various automotive and marine applications. The MX38 is a single pole, thermal type low-voltage breaker which operates on the “snap-action” bi-metallic element principle. When an overload reaches the calibrated trip point of the bi-metal element, the contacts snap open, disconnecting the load.

MX38 series offers three reset types:
- **Type 1 Automatic Reset (T1)**
- **Type 2 Modified Reset** Removal of power resets the breaker (T2)
- **Type 3 Manual Reset** Push button actuator resets the breaker (T3)

**Examples of MX38 Series Applications** include:
- Boats and Marine Equipment
- Lawn and Garden Equipment
- Road and Construction Equipment
- Battery Protection
- Lift Trucks
- Bucket Trucks
- Buses
- Trucks
- ...and many more

**Styles 1, 2 and 3 cross to Bussmann 19X series**
**Styles 7, 8 and 9 cross to Bussmann 22X series**

**Specifications**

- **Current and Voltage Ratings**
  - 5A–50 A, 14VDC; 28VDC (Automatic T1 or Modified T2)
- **Interrupt Capacity**
  - 5A / 14VDC, 225A
  - 10A / 14VDC, 450A
  - 15A / 14VDC, 600A
  - 20A / 14VDC, 750A
  - 25A / 14VDC, 1,000A
  - 30A / 14VDC, 1,500A
  - 35A / 14VDC, 2,000A
  - 40A / 14VDC, 2,500A
  - 45A / 14VDC, 3,000A
  - 50A / 14VDC, 3,500A

- **Operating Temperature**
  - -40°C to 85°C / -40°F to 185°F
- **Storage Temperature**
  - -40°C to 125°C / -40°F to 260°F
- **Termination**
  - Compatible with fuse blocks using MAXI or ATC blade fuse
- **Marking**
  - Standard marking includes type / voltage / amperage
- **Reference Documents**
  - SAE Standard J553

**Trip Time Curve**

**Derating Curve**

- 1000
- 100
- 10
- 1
- 0

- 100
- 200
- 300
- 400
- 500
- 600

**Percentage of Ampere Rating**

- 10 Amps and below
- 15 Amps and above
**MX38 Series**

**MANUAL, MODIFIED or AUTO RESET CIRCUIT BREAKER**

**DIMENSIONS in mm / inches**

- **STYLE 1: AUTO RESET, WIDE CASE**
- **STYLE 2: MODIFIED, WIDE CASE**

- **STYLE 3: MANUAL RESET, WIDE CASE**
  - Maximum rate current: 30A

- **STYLE 7: AUTO RESET, NARROW CASE**
- **STYLE 8: MODIFIED, NARROW CASE**

- **STYLE 9: MANUAL RESET, NARROW CASE**
  - Maximum rate current: 30A

- **TERMINALS 1**
- **TERMINALS 3**
- **TERMINALS 4**
- **TERMINALS 5**

**OPTIONS SELECTION**

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Example: **MX38 150 4 7 1**

MX38, 15Amps, 14VoltsDC, Narrow style, Auto reset, Terminal 1