The MX32 Series are automatic or modified reset circuit protectors designed for the automotive and marine industries and made to fit standard AFC/ATO fuse panels. The MX32 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.

Universal circuit protector connections on the MX32 offer a “snap-off” blade design which allows user to size the blades to the application.

**SPECIFICATIONS**

- **Current and Voltage Ratings**
  - 5A–50 A, 12VDC/24VDC

- **Connectors**
  - Available in bronze or tinned blades

- **Colors**
  - Available in Silver, Red, Blue, Yellow, Coffee or Cyan

- **Insulation Resistance**
  - 100MΩ

- **Operating Temperature**
  - -23°C to 65°C

- **Storage Temperature**
  - -29°C to 93°C

**INTERRUPT CAPACITY**

<table>
<thead>
<tr>
<th>Rated Current</th>
<th>12VDC</th>
<th>24VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>5–10Amps</td>
<td>150A</td>
<td>100A</td>
</tr>
<tr>
<td>&lt;10–15Amps</td>
<td>225A</td>
<td>150A</td>
</tr>
<tr>
<td>&lt;15–20Amps</td>
<td>300A</td>
<td>200A</td>
</tr>
<tr>
<td>&lt;20–30Amps</td>
<td>450A</td>
<td>300A</td>
</tr>
<tr>
<td>&lt;30–40Amps</td>
<td>600A</td>
<td>400A</td>
</tr>
<tr>
<td>&lt;40–50Amps</td>
<td>750A</td>
<td>500A</td>
</tr>
</tbody>
</table>

**MAXIMUM INTERNAL RESISTANCE**

<table>
<thead>
<tr>
<th>Ampere Rating</th>
<th>Insulation Resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>5A</td>
<td>17.8 mΩ</td>
</tr>
<tr>
<td>10A</td>
<td>7.6 mΩ</td>
</tr>
<tr>
<td>15A</td>
<td>5.4 mΩ</td>
</tr>
<tr>
<td>20A</td>
<td>3.6 mΩ</td>
</tr>
<tr>
<td>25A</td>
<td>3.2 mΩ</td>
</tr>
<tr>
<td>30A</td>
<td>2.7 mΩ</td>
</tr>
</tbody>
</table>

**TEMPERATURE DERATING CURVE**

- **PERCENTAGE OF AMPERE RATING**
  - 100%
  - 90%
  - 80%
  - 70%
  - 60%
  - 50%
  - 40%
  - 30%
  - 20%
  - 10%

- **TIME IN SECONDS at 25°C**
  - 0.1
  - 1
  - 10
  - 100
  - 1000

- **% OF RATED CURRENT**
  - 120
  - 100
  - 80
  - 60
  - 40
  - 20
  - 10

- **DEGREES CELSIUS**
  - 0
  - 10
  - 25
  - 40
  - 50
  - 60
### DIMENSIONS in mm

#### Type I Automatic
- Bronze Blades – A

![Type I Automatic Diagram](image1)

#### Type II Modified (12VDC)
- Tinned Blades – B

![Type II Modified Diagram](image2)

### OPTIONS SELECTION

<table>
<thead>
<tr>
<th>Series</th>
<th>Amps select by number</th>
<th>Type select by letter</th>
<th>Color select by number</th>
</tr>
</thead>
<tbody>
<tr>
<td>MX32</td>
<td>050 5A</td>
<td>A Type I</td>
<td>1 Silver</td>
</tr>
<tr>
<td></td>
<td>100 10A</td>
<td></td>
<td>2 Red</td>
</tr>
<tr>
<td></td>
<td>150 15A</td>
<td>B Type II</td>
<td>3 Blue</td>
</tr>
<tr>
<td></td>
<td>200 20A</td>
<td></td>
<td>4 Yellow</td>
</tr>
<tr>
<td></td>
<td>250 25A</td>
<td></td>
<td>5 Coffee</td>
</tr>
<tr>
<td></td>
<td>300 30A</td>
<td></td>
<td>6 Cyan</td>
</tr>
</tbody>
</table>

Example: **MX32 200 B 2**

MX32, 20Amps, Type II, Red