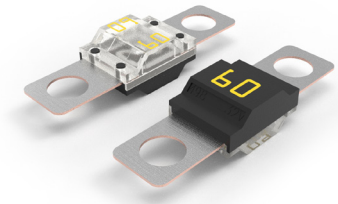
# MIDI®, Clear MIDI®, One-Hole MIDI® Style

## Bolt-down Fuse Rated 32V




Clear MIDI® Fuses
(clear nylon composite cover)

## Specifications

| | |
|---|---|
| **Voltage Rating:** | 32 VDC |
| **Interrupting Rating:** | 2000A @ 32 VDC |
| **Recommended Environmental Temperature:** | -40˚C to +125˚C |
| **Terminals Material:** | Tin plated Copper |
| **Black Housing Material:** | PA66-GF25 (U.L. 94 Flammability rating – V0) |
| **Clear Housing Material:** | PA6/66 (U.L. 94 Flammability rating – HB) |
| **Mounting Torque M5:** | 4.5 Nm +/- 1Nm |
| **Mounting Torque M6:** | 6.0 Nm +/- 1Nm |
| **Refers To:** | ISO 8820-5:2015 |
| **Complies with:** | Standard UL 248-1 as a Special Purpose Fuses in UL file E71611 (40-100A) and Directive 2011/65/EU |

## Description

Space-saving MIDI® fuses protect high-current wiring harnesses. The bolt-down automotive fuses employ diffusion pill technology to offer time-delay characteristics. Use MIDI fuses with ratings of 150 A to 200 A only for short circuit protection.

## Applications

- Cars
- Trucks
- SUVs
- Offroad vehicles
- Buses
- Watercraft as approved by Littelfuse®

## Features & Benefits

- Color-coded ampere labels aid identification
- Clear tops make it easy to see when fuse blows
- Available with one or two mounting holes
- Compact design and light weight enable greater circuit protection in less space

## Ordering Information

| Part Number | Current Rating (A) | Housing Color | Bolt Size | Bolt Qty. | Package Size |
|---|---|---|---|---|---|
| 0498xxx.M | 30–200 | Black | M5 | 2 | 1000 |
| 0498xxx.H | 30–200 | Black | M5 | 2 | 100 |
| 0498xxx.MXM6 | 30–200 | Black | M6 | 2 | 1000 |
| 0498xxx.MX1M5 | 30–200 | Black | M5 | 1 | 1000 |
| 0498xxx.MX1M6 | 30–200 | Black | M6 | 1 | 1000 |
| 0498xxx.MXT | 30–200 | Clear | M5 | 2 | 1000 |
| 0498xxx.MXTM6 | 30–200 | Clear | M6 | 2 | 1000 |

**Note:** Materials manufactured in Asia are produced with the same specifications as materials manufactured in North America and meets the same test requirements. Multiple production locations are for capacity expanison only.



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## Ratings

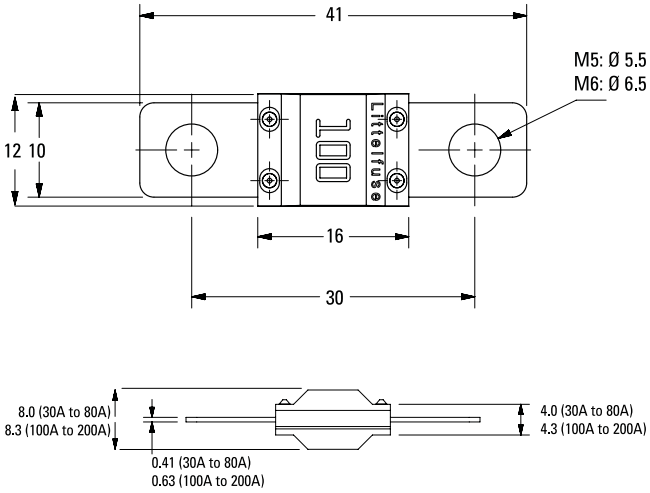
| Part Number | Current Rating (A) | Color Code | Test Cable size (mm2) | Typ. Voltage Drop (mV) | Typ. Cold Resistance (mΩ) | Typ. I²t (A²s) |
|---|---|---|---|---|---|---|
| 0498030._[2] | 30 | | 2.5 | 65 | 2.06 | 4,200 |
| 0498040._ | 40 | | 4 | 65 | 1.40 | 10,000 |
| 0498050._ | 50 | | 6 | 65 | 1.02 | 13,000 |
| 0498060._ | 60 | | 6 | 68 | 0.87 | 21,700 |
| 0498070._ | 70 | | 10 | 70 | 0.72 | 24,000 |
| 0498080._ | 80 | | 10 | 58 | 0.54 | 24,600 |
| 0498100._ | 100 | | 16 | 60 | 0.46 | 51,300 |
| 0498125._[2] | 125 | | 25 | 71 | 0.39 | 73,200 |
| 0498150._[1,2] | 150 | | 25 | 49 [4] | 0.32 | 81,900 |
| 0498175._[1,2,3] | 175 | | 25 | 53 [4] | 0.29 | 100,000 |
| 0498200._[1,2] | 200 | | 25 | 51 [4] | 0.26 | 125,000 |

Note 1: Short Circuit Protector only, Note 2: Not UL Recognized, Note 3: Color Coding deviating from ISO standard, Note 4: Measured at 75% Ir
The typical I²t is an average value calculated from the breaking capacity tests by using the melting time before the arcing occurs.

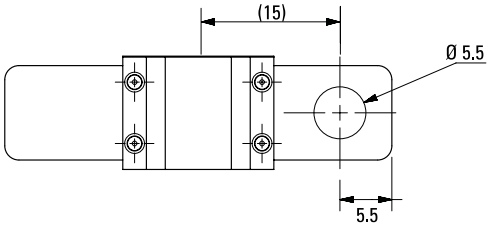
## Dimensions

Dimensions in mm for reference only.
See outline drawing for dimensions and tolerances.

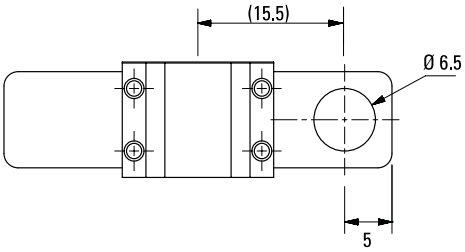
### MIDI 2 Holes M5/M6 versions




### MIDI 1 Hole M5 versions




### MIDI 1 Hole M6 versions



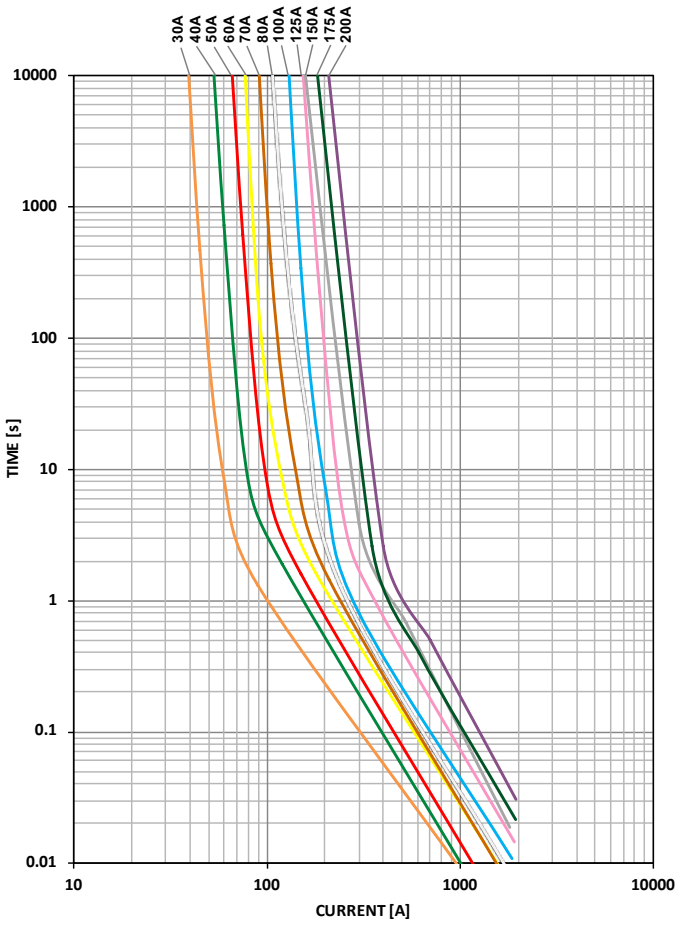


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# MIDI®, Clear MIDI®, One-Hole MIDI® Style

## Bolt-down Fuse Rated 32V

### Time-Current Characteristic Curves




### Time-Current Characteristics

| % of Rating | Opening Time Min / Max (s) | |
|---|---|---|
| | 30A-125A | 150A-200A |
| 75 | – / – | 360,000 / ∞ |
| 100 | 360,000 / ∞ | – / – |
| 110 | 14,400 / ∞ | – / – |
| 150 | 90 / 3,600 | – / – |
| 200 | 3 / 100 | 1 / 15 |
| 300 | 0.3 / 3 | – / – |
| 350 | – / – | 0.3 / 5 |
| 500 | 0.1 / 1 | – / – |
| 600 | – / – | 0.1 / 1 |



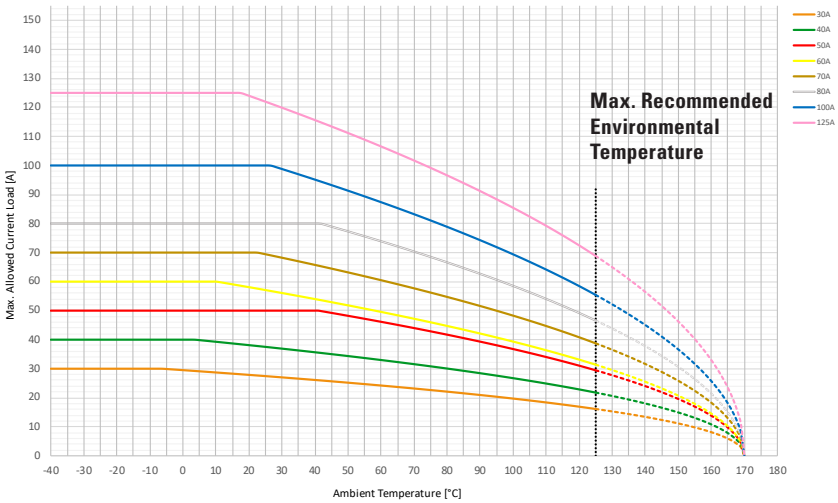
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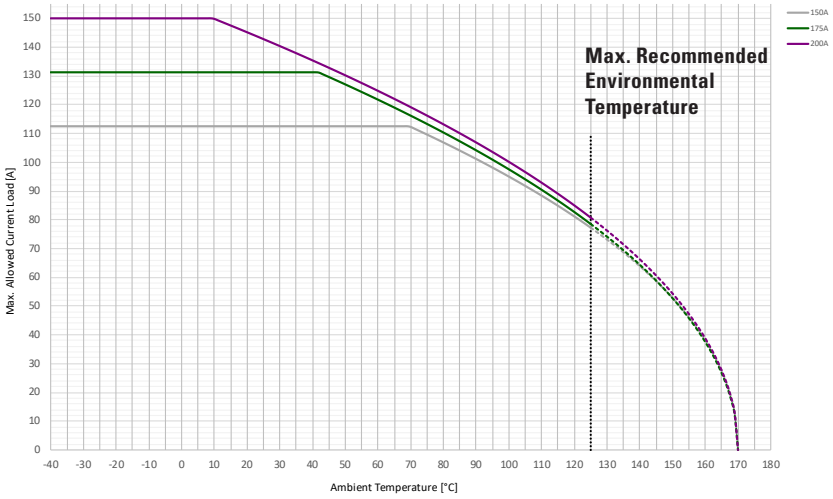
# MIDI®, Clear MIDI®, One-Hole MIDI® Style

## Bolt-down Fuse Rated 32V

### Typical Derating of Fuse Melting Element

Temperature Security Margin is 20%
Wire Cross Section And Fixture Test Set Up Refer To ISO 8820-3
Please Contact Littelfuse® For Details Regarding Derating Test Set Up




Derating curves may change depending on the final condition of the application (terminals characteristics, wire size etc..). Please ask Littelfuse® for more information.

### Temperature Table

| | max. allowed current load [A] at ambient temperature (typical derating) | | | | | | |
|---|---|---|---|---|---|---|---|
| | -20°C | 0°C | 20°C | 65°C | 85°C | 110°C | 125°C |
| **30A** | 30 | 30 | 28 | 24 | 22 | 18 | 16 |
| **40A** | 40 | 40 | 38 | 32 | 29 | 25 | 22 |
| **50A** | 50 | 50 | 50 | 45 | 41 | 34 | 29 |
| **60A** | 60 | 60 | 58 | 48 | 43 | 36 | 31 |
| **70A** | 70 | 70 | 70 | 59 | 53 | 45 | 39 |
| **80A** | 80 | 80 | 80 | 72 | 65 | 54 | 47 |
| **100A** | 100 | 100 | 100 | 85 | 77 | 64 | 55 |
| **125A** | 125 | 125 | 124 | 104 | 94 | 79 | 69 |
| **150A** | 113 | 113 | 113 | 113 | 104 | 88 | 77 |
| **175A** | 131 | 131 | 131 | 119 | 107 | 90 | 79 |
| **200A** | 150 | 150 | 145 | 122 | 110 | 93 | 81 |

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