

# LOW PROFILE MINI® Blade Fuses - Aftermarket

## Rated 58V

RoHS



### Description

Low Profile MINI® 58V blade fuses perform as reliably as taller fast-acting MINI fuses. Automotive engineers use LP MINI fuses to save space and reduce weight without sacrificing circuit protection.

### Features & Benefits

- Fast-acting
- Available with ampere ratings of 5 A to 30 A
- Interrupting rating of 1 kA at 58 VDC
- Operate at up to 125 °C
- Silver-plated zinc terminals
- PA66 housings with UL flammability ratings of HB
- Net weight 0.4 g  $\pm$  15 % per fuse
- Comply with ISO 8820-9
- Recognized as UL 248 Special Purpose Fuses
- Certified lead-free and RoHS compliant
- Color coding indicates ampere rating
- See-through housings make it easier to see when fuses blow
- High-contrast ampere stamps aid identification
- Short blades offer additional material savings in fuse box design

### Applications

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

### Ordering Information

| Color Code | Current Rating (A) | Boxed      |           | Carded     |           | Plus Pack Material # |
|------------|--------------------|------------|-----------|------------|-----------|----------------------|
|            |                    | Material # | Catalog # | Material # | Catalog # |                      |
| Gray       | 2A                 | LMIN002.V  | LMIN2     | —          | —         | —                    |
| Tan        | 5A                 | LMIN005.V  | LMIN5     | LMIN005.VP | LMIN005BP | LMIN005.ZXPROA       |
| Brown      | 7.5A               | LMIN07.5V  | LMIN7.5   | —          | —         | —                    |
| Red        | 10A                | LMIN010.V  | LMIN10    | LMIN010.VP | LMIN010BP | LMIN010.ZXPROA       |
| Blue       | 15A                | LMIN015.V  | LMIN15    | LMIN015.VP | LMIN015BP | LMIN015.ZXPROA       |
| Yellow     | 20A                | LMIN020.V  | LMIN20    | LMIN020.VP | LMIN020BP | LMIN020.ZXPROA       |
| Clear      | 25A                | LMIN025.V  | LMIN25    | LMIN025.VP | LMIN025BP | LMIN025.ZXPROA       |
| Green      | 30A                | LMIN030.V  | LMIN30    | LMIN030.VP | LMIN030BP | LMIN030.ZXPROA       |

Please refer to the Littelfuse Aftermarket catalog for packaging information.

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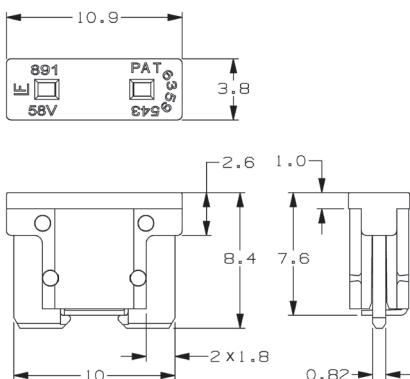
### Ratings

| Part Number | Current Rating (A) | Housing Material Color                                                            | Test Cable Size (mm <sup>2</sup> ) | Typ. Voltage Drop (mV) | Typ. Cold Resistance (mΩ) | Typ. I <sup>2</sup> t (A <sup>2</sup> s) |
|-------------|--------------------|-----------------------------------------------------------------------------------|------------------------------------|------------------------|---------------------------|------------------------------------------|
| LMIN002._   | 2                  |  | 0.5                                | 151                    | 54.2                      | 3                                        |
| LMIN005._   | 5                  |  | 0.5                                | 114                    | 17.21                     | 22                                       |
| LMIN07.5._  | 7.5                |  | 0.75                               | 105                    | 10.65                     | 53                                       |
| LMIN010._   | 10                 |  | 1                                  | 97                     | 7.59                      | 102                                      |
| LMIN015._   | 15                 |  | 1.5                                | 75                     | 4.70                      | 198                                      |
| LMIN020._   | 20                 |  | 2.5                                | 99                     | 3.35                      | 420                                      |
| LMIN025._   | 25                 |  | 2.5                                | 96                     | 2.56                      | 613                                      |
| LMIN030._   | 30                 |  | 4                                  | 96                     | 2.06                      | 1,100                                    |

The typical I<sup>2</sup>t is an average value calculated from the breaking capacity tests by using the melting time before the arcing occurs.

### Dimensions

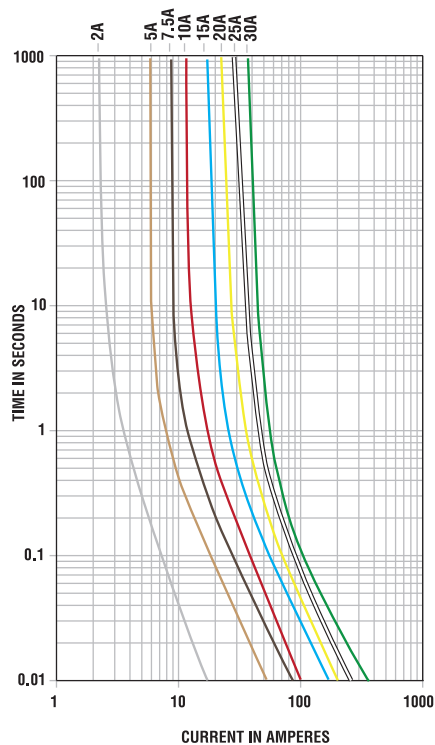
Dimensions in mm. Please refer to the outline drawing for dimensions and tolerances.



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### Time-Current Characteristic



| % of Rating | Opening Time Min / Max (s) |
|-------------|----------------------------|
| 110         | 360 000 / $\infty$         |
| 135         | 0.75 / 120                 |
| 200         | 0.15 / 5                   |
| 350         | 0.08 / 0.25                |
| 600         | 0.03 / 0.1                 |