

# Midget 10x38mm Fuses

## BLN Series

250 V ac • Fast-acting • 1–30A

RoHS QPL UL SP CE



### Description

The BLN series 250 V ac fast-acting fuses provide low-cost overcurrent protection for military applications and control circuits. They supplement the primary branch-circuit fuse or breaker to provide additional backup protection. These fuses also have the capability to limit currents with fast-acting reliability.

### Features & Benefits

| FEATURES                     | BENEFITS                                                                                      |
|------------------------------|-----------------------------------------------------------------------------------------------|
| <b>10x38 mm size</b>         | Common dimensions used in a variety of control circuit applications                           |
| <b>Fast-acting</b>           | Provides fast short-circuit response within the interrupting rating                           |
| <b>Fiber body</b>            | Cost effective materials provide a lower cost alternative for supplemental circuit protection |
| <b>POWR-GARD® technology</b> | Ensures reliable overcurrent protection                                                       |

### Applications

- Control circuits
- Military (MIL Grade) applications

### Specifications

|                             |                                          |
|-----------------------------|------------------------------------------|
| <b>Voltage Rating</b>       | Ac: 250 V                                |
| <b>Interrupting Ratings</b> | 10,000 A                                 |
| <b>Ampere Range</b>         | 1A to 30 A                               |
| <b>Applicable Standards</b> | UL 248-14                                |
| <b>Environmental</b>        | RoHS, Lead Free                          |
| <b>Material</b>             | Body: Paper<br>Cap: Nickel plated bronze |
| <b>Country of Origin</b>    | Mexico                                   |
| <b>Fuse Weight</b>          | .012 lbs (5.44 g)                        |

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### Certification & Compliance

|             |                                                      |
|-------------|------------------------------------------------------|
| <b>UL</b>   | UL Listed (File: E10480)                             |
| <b>CSA</b>  | CSA Certified (File: LR29862)                        |
| <b>PSE</b>  | PSE (File: NBK170305-E10480A-D)                      |
| <b>CE</b>   | EU_DOC-BLN_210323                                    |
| <b>RoHS</b> | RoHS 2 Directive 2011/65/EU; Directive (EU) 2015/863 |
| <b>QPL</b>  | MIL-F-15160/9                                        |

### Accessories

L60030M series fuse block

LPSM Touch-safe series fuse holder

571/572 series panel mount fuse holder

### Ordering Information

| AMPERE | CATALOG NUMBER | PRODUCT MARKING | PACK QUANTITY | ORDERING NUMBER | UPC         |
|--------|----------------|-----------------|---------------|-----------------|-------------|
| 1      | BLN001         | BLN 1A          | 10            | OBLN001.T       | 07945811031 |
| 1.5    | BLN01.5        | BLN 1-½A        | 10            | OBLN01.5T       | 07945801804 |
| 2      | BLN002         | BLN 2A          | 10            | OBLN002.T       | 07945811041 |
| 3      | BLN003         | BLN 3A          | 10            | OBLN003.T       | 07945811047 |
| 4      | BLN004         | BLN 4A          | 10            | OBLN004.T       | 07945811053 |
| 5      | BLN005         | BLN 5A          | 10            | OBLN005.T       | 07945811055 |
| 6      | BLN006         | BLN 6A          | 10            | OBLN006.T       | 07945811058 |
| 8      | BLN008         | BLN 8A          | 10            | OBLN008.T       | 07945811063 |
| 10     | BLN010         | BLN 10A         | 10            | OBLN010.T       | 07945811065 |
| 12     | BLN012         | BLN 12A         | 10            | OBLN012.T       | 07945811066 |
| 15     | BLN015         | BLN 15A         | 10            | OBLN015.T       | 07945811068 |
| 20     | BLN020         | BLN 20A         | 10            | OBLN020.T       | 07945811071 |
| 25     | BLN025         | BLN 25A         | 10            | OBLN025.T       | 07945811072 |
| 30     | BLN030         | BLN 30A         | 10            | OBLN030.T       | 07945811073 |

### Electrical Specification - Agency Requirements

| AMPERAGE RATING | OPENING TIME (MINUTES)     |                            |                            |
|-----------------|----------------------------|----------------------------|----------------------------|
|                 | 100 % OF AMP RATING PER UL | 135 % OF AMP RATING PER UL | 200 % OF AMP RATING PER UL |
| 1–30            | Temperature Stabilization  | 60 Max                     | 2 Max                      |

### Electrical Specifications

| CATALOG NUMBER | VOLTAGE AC (V) | INTERRUPTING RATING (A) | NOMINAL COLD RESISTANCE (OHMS) | AGENCY APPROVALS |     |     |    |
|----------------|----------------|-------------------------|--------------------------------|------------------|-----|-----|----|
|                |                |                         |                                | UL               | CSA | PSE | CE |
| BLN001         | 250            | 10,000                  | .3950                          | •                | •   |     | •  |
| BLN01.5        | 250            | 10,000                  | .2220                          | •                | •   |     | •  |
| BLN002         | 250            | 10,000                  | .1250                          | •                | •   |     | •  |
| BLN003         | 250            | 10,000                  | .0645                          | •                | •   |     | •  |

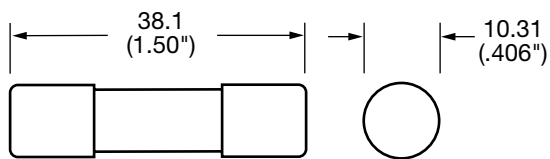
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## BLN Series

### Electrical Specifications

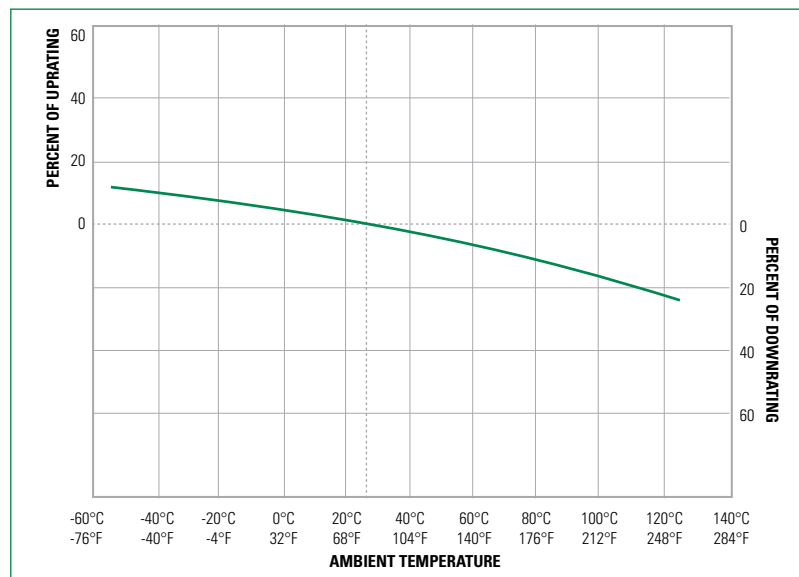
| CATALOG NUMBER | VOLTAGE AC (V) | INTERRUPTING RATING (A) | NOMINAL COLD RESISTANCE (OHMS) | AGENCY APPROVALS |     |     |    |
|----------------|----------------|-------------------------|--------------------------------|------------------|-----|-----|----|
|                |                |                         |                                | UL               | CSA | PSE | CE |
| BLN004         | 250            | 10,000                  | .0432                          | •                | •   |     | •  |
| BLN005         | 250            | 10,000                  | .0413                          | •                | •   | •   | •  |
| BLN006         | 250            | 10,000                  | .0284                          | •                | •   | •   | •  |
| BLN008         | 250            | 10,000                  | .0166                          | •                | •   | •   | •  |
| BLN010         | 250            | 10,000                  | .0110                          | •                | •   | •   | •  |
| BLN012         | 250            | 10,000                  | .0092                          | •                | •   | •   | •  |
| BLN015         | 250            | 10,000                  | .0068                          | •                | •   | •   | •  |
| BLN020         | 250            | 10,000                  | .0036                          | •                | •   | •   | •  |
| BLN025         | 250            | 10,000                  | .0036                          | •                | •   | •   | •  |
| BLN030         | 250            | 10,000                  | .0027                          | •                | •   | •   | •  |

### Dimensions Millimeters (inches)



### Temperature Derating Curve

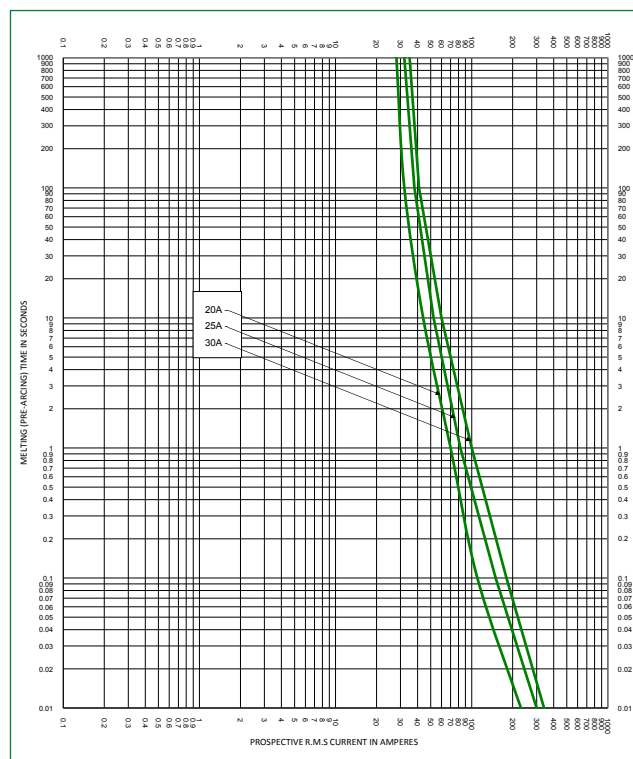
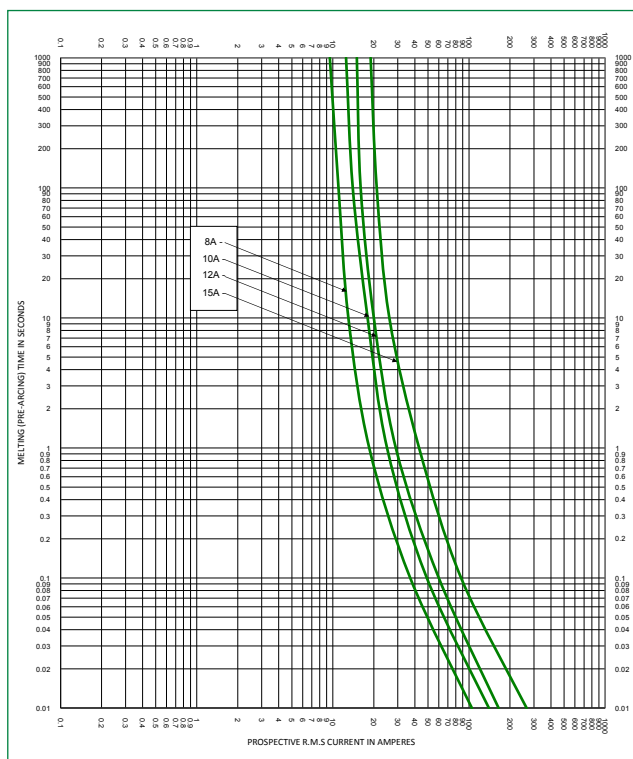
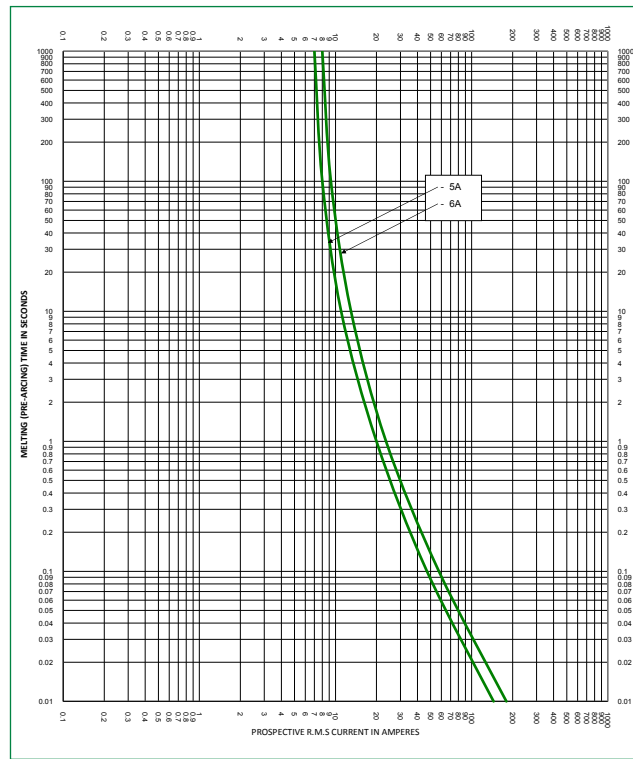
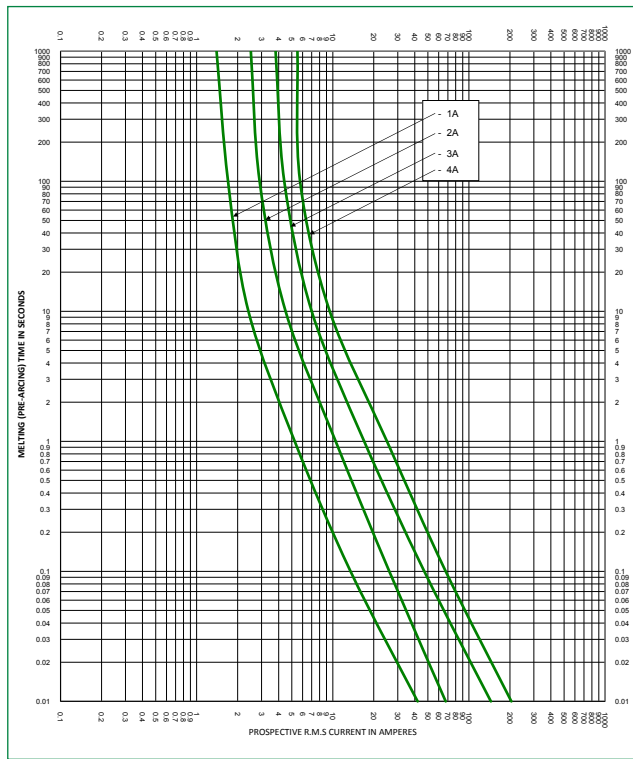
Ambient temperature: temperature of air immediately surrounding fuse



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### Time Current Curves



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