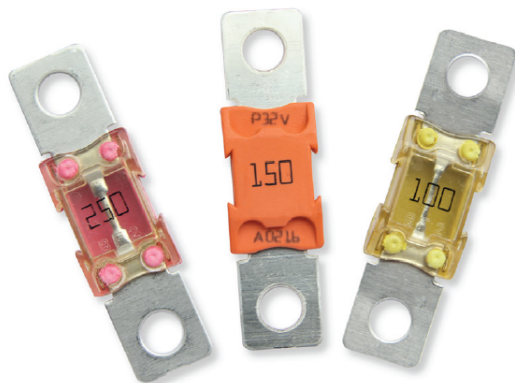


# BF2

## Bolt-down Fuse Rated 32V



### Description

BF2 32V fuses use Slo-Blo® technology to protect high-current wiring harnesses. Use the 300 A, 400 A, and 500 A fuses only for short circuit protection.

### Specifications

|                                               |                                             |                |
|-----------------------------------------------|---------------------------------------------|----------------|
| <b>Voltage Rating:</b>                        | 32 VDC                                      |                |
| <b>Interrupting Rating:</b>                   | 100 A - 300 A:                              | 2000A @ 32 VDC |
|                                               | 400 A - 500 A:                              | 1500A @ 32 VDC |
| <b>Recommended Environmental Temperature:</b> | -40°C to +125°C                             |                |
| <b>Terminals Material:</b>                    | Tin plated Copper                           |                |
| <b>Opaque Housing Material:</b>               | PET-GF33 (U.L. 94 Flammability rating – V0) |                |
| <b>Clear Housing Material:</b>                | PES (U.L. 94 Flammability rating –V0)       |                |
| <b>Mounting Torque M8:</b>                    | 12 Nm +/- 1Nm                               |                |
| <b>Complies with:</b>                         | UL 248 Special Purpose Fuse                 |                |
| <b>Refers To:</b>                             | ISO 8820-5:2015                             |                |

### Applications

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

### Features & Benefits

- Color coding indicates ampere rating
- High-contrast ampere rating stamps aid identification
- Transparent cover make it easier to see when fuse blow

### Ordering Information

| Part Number       | Rating    | Package Size |
|-------------------|-----------|--------------|
| Standard M8 Holes |           |              |
| 153.5395.xxxx     | 100 - 500 | 200          |

# BF2

## Bolt-down Fuse Rated 32V

### Ratings

| Part Number                | Current Rating (A) | Housing 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) |
|----------------------------|--------------------|-----------------------------------------------------------------------------------|------------------------------------|------------------------|---------------------------|------------------------------------------|
| 153.5395.6102              | 100                |  | 16                                 | 102                    | 0.70                      | 46 800                                   |
| 153.5395.6122              | 125                |  | 25                                 | 81                     | 0.52                      | 118 100                                  |
| 153.5395.6152              | 150                |  | 25                                 | 77                     | 0.42                      | 113 400                                  |
| 153.5395.6172              | 175                |  | 25                                 | 104                    | 0.36                      | 154 400                                  |
| 153.5395.6202              | 200                |  | 35                                 | 102                    | 0.34                      | 288 000                                  |
| 153.5395.6222              | 225                |  | 35                                 | 107                    | 0.29                      | 236 000                                  |
| 153.5395.6252              | 250                |  | 50                                 | 86                     | 0.25                      | 292 500                                  |
| 153.5395.6302 <sup>1</sup> | 300                |  | 70                                 | 68                     | 0.21                      | 486 000                                  |
| 153.5395.6402 <sup>1</sup> | 400                |  | 70                                 | 70                     | 0.13                      | 964 000                                  |
| 153.5395.6502 <sup>1</sup> | 500                |  | 70                                 | 60                     | 0.12                      | 1 449 000                                |

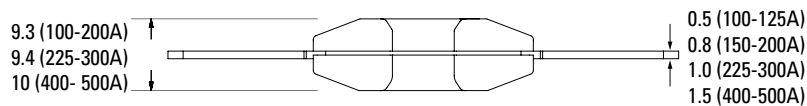
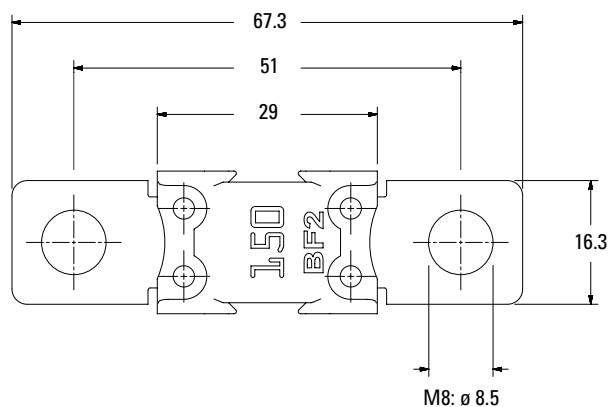
Note 1: Short Circuit Protector only

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 for reference only.

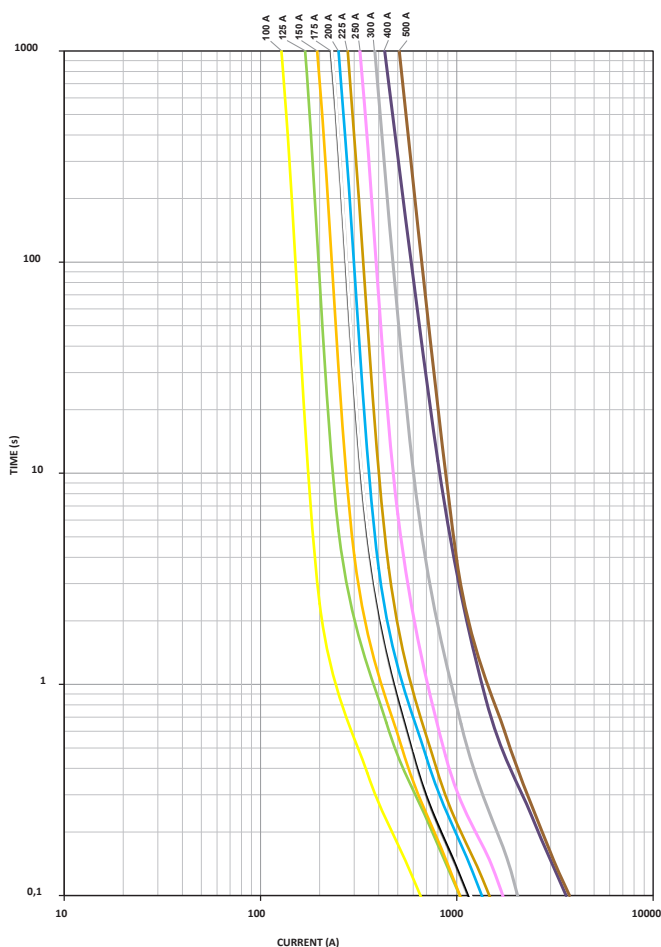
See outline drawing for dimensions and tolerances.



# BF2

Bolt-down Fuse Rated 32V

## Time-Current Characteristic Curves



## Time-Current Characteristics

| % of Rating | Opening Time Min / Max (s) |               |
|-------------|----------------------------|---------------|
|             | 100 A - 250 A              | 300 A - 500 A |
| 75          | — / —                      | 14 400 / ∞    |
| 100         | 14,400 / ∞                 | — / —         |
| 135         | 120 / 1 800                | — / —         |
| 200         | 1 / 15                     | 1 / 15        |
| 350         | 0.3 / 5                    | 0.5 / 5       |
| 600         | 0.1 / 1                    | 0.1 / 1       |

# BF2

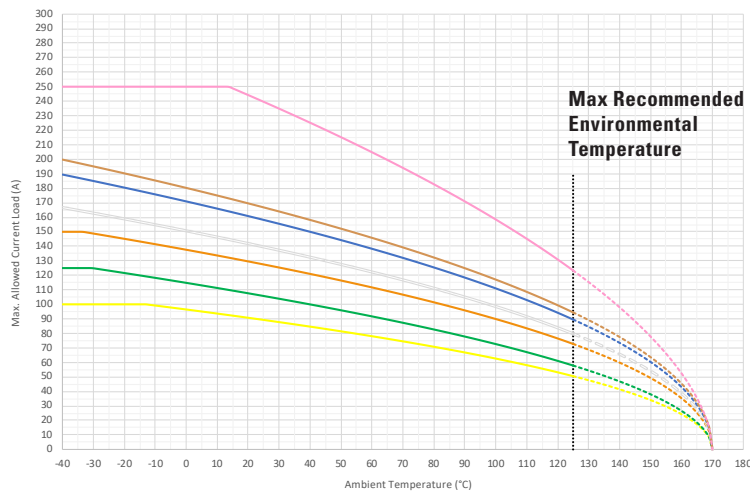
## Bolt-down Fuse Rated 32V

### Typical Derating of Fuse Melting Element

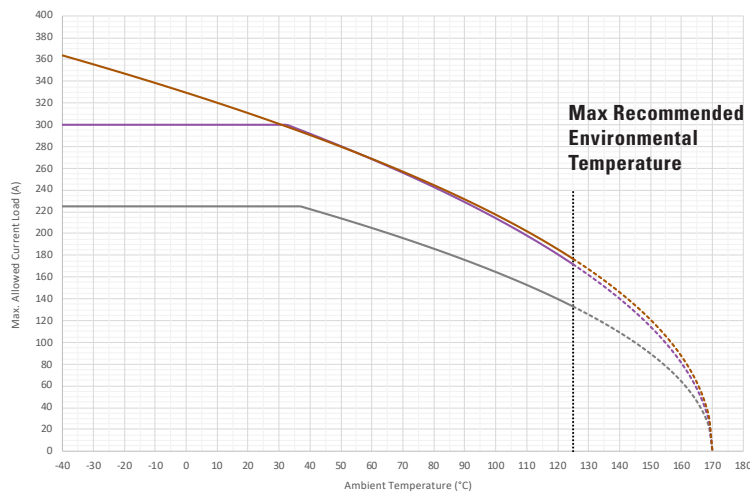
Temperature Security Margin is 20%

Please Contact Littelfuse® For Details Regarding Derating Test Set Up

### Temperature Table



|       | max. allowed current load (A) at ambient temperature (typical derating) |     |      |      |      |       |       |
|-------|-------------------------------------------------------------------------|-----|------|------|------|-------|-------|
|       | -40°C                                                                   | 0°C | 20°C | 65°C | 85°C | 110°C | 125°C |
| 100 A | 100                                                                     | 96  | 91   | 76   | 69   | 58    | 50    |
| 125 A | 125                                                                     | 115 | 108  | 90   | 80   | 67    | 58    |
| 150 A | 150                                                                     | 138 | 130  | 109  | 99   | 83    | 73    |
| 175 A | 167                                                                     | 151 | 142  | 120  | 108  | 92    | 80    |
| 200 A | 189                                                                     | 171 | 161  | 135  | 122  | 103   | 90    |
| 225 A | 200                                                                     | 180 | 170  | 143  | 129  | 109   | 94    |
| 250 A | 250                                                                     | 250 | 244  | 200  | 177  | 145   | 123   |
| 300 A | 225                                                                     | 225 | 225  | 201  | 181  | 153   | 133   |
| 400 A | 300                                                                     | 300 | 300  | 262  | 236  | 198   | 172   |
| 500 A | 364                                                                     | 329 | 311  | 263  | 238  | 202   | 177   |



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