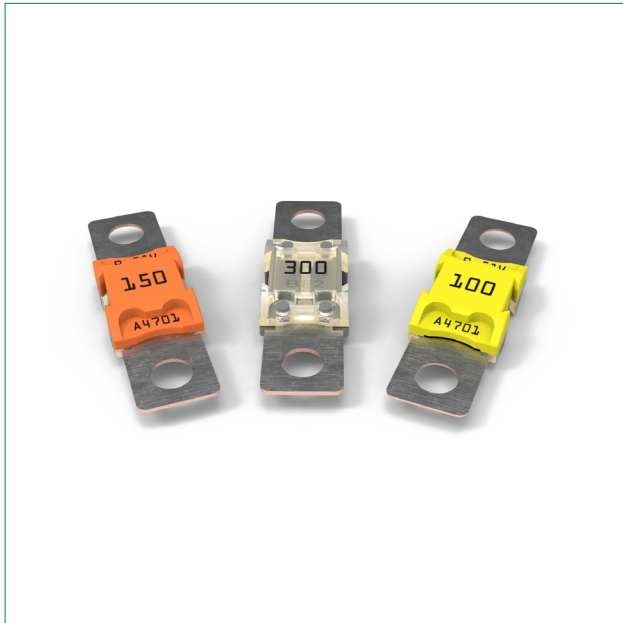


# BF2 Series

## Bolt-down Fuses – Rated 58V



### Description

BF2 58V fuses use Slo-Blo® technology to protect high-current wiring harnesses. Use the 300 A fuse only for short circuit protection.

### Features & Benefits

- High-contrast ampere rating stamps aid identification
- Color coding indicates ampere rating
- Transparent cover make it easier to see when fuse blow
- Refers to ISO 8820-5:2015

### Applications

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

### Additional Information



Resources



Samples

[See Disclaimer Notice](#)

### Specifications

|                                               |                                                |
|-----------------------------------------------|------------------------------------------------|
| <b>Voltage Rating:</b>                        | 58 V DC                                        |
| <b>Interrupting Rating:</b>                   | 1000A @ 58 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<br>(U.L. 94 Flammability rating – V0) |
| <b>Clear Housing Material:</b>                | PES<br>(U.L. 94 Flammability rating – HB)      |
| <b>Mounting Torque M8:</b>                    | 12 Nm +/- 1Nm                                  |
| <b>Comply With:</b>                           | UL 248 Special Purpose Fuse                    |
| <b>Refers To:</b>                             | ISO 8820-5:2015                                |

### Ordering Information

| Part Number   | Current Rating (A) | Package Size |
|---------------|--------------------|--------------|
| 142.5395.xxxx | 100 - 300          | 200          |

# BF2 Series

## Bolt-down Fuses – Rated 58V

### Ratings

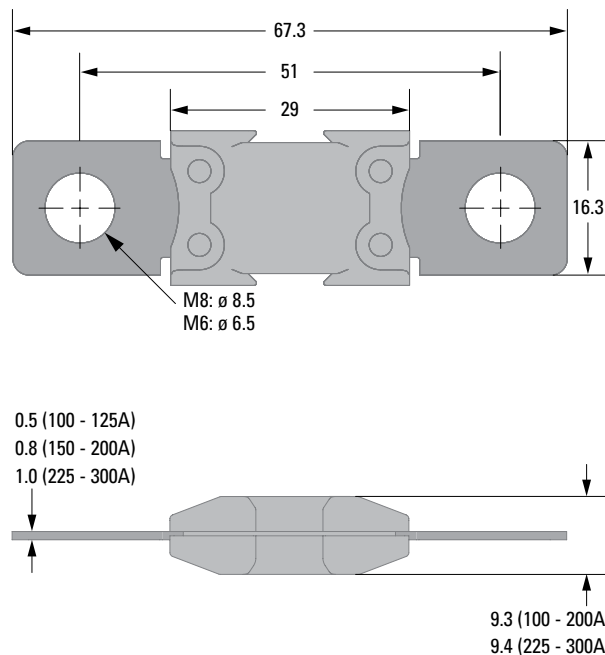
| Part Number                | Current Rating (A) | Housing Material Color                                                            | Test Cable Size (mm <sup>2</sup> ) | Typ. Voltage Drop (mV) | Typ. Cold Resistance (mΩ) | Typ. I <sup>2</sup> t (A <sup>2</sup> s) |
|----------------------------|--------------------|-----------------------------------------------------------------------------------|------------------------------------|------------------------|---------------------------|------------------------------------------|
| 142.5395.6102              | 100                |  | 16                                 | 102                    | 0.70                      | 46 800                                   |
| 142.5395.6122              | 125                |  | 25                                 | 81                     | 0.52                      | 118 100                                  |
| 142.5395.6152              | 150                |  | 25                                 | 77                     | 0.42                      | 113 400                                  |
| 142.5395.6172              | 175                |  | 25                                 | 104                    | 0.36                      | 154 400                                  |
| 142.5395.6202              | 200                |  | 35                                 | 102                    | 0.34                      | 288 000                                  |
| 142.5395.6222              | 225                |  | 35                                 | 107                    | 0.29                      | 236 000                                  |
| 142.5395.6252              | 250                |  | 50                                 | 86                     | 0.25                      | 292 500                                  |
| 142.5395.6302 <sup>1</sup> | 300                |  | 70                                 | 68                     | 0.21                      | 486 000                                  |

**Note 1:** Short Circuit Protector only

**Note 2:** 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

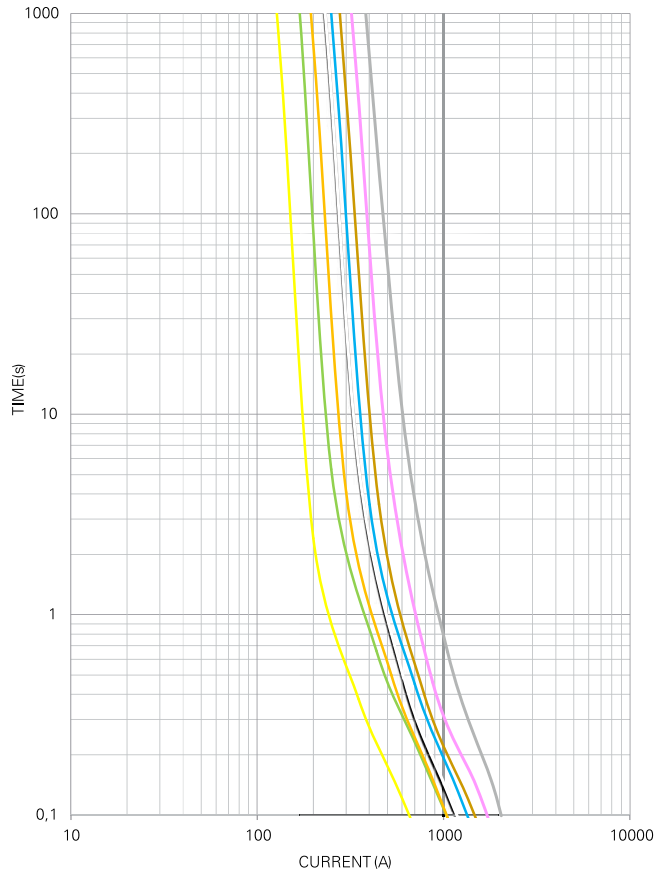
Dimensions in mm. Please refer to the outline drawing for dimensions and tolerances.



# BF2 Series

## Bolt-down Fuses – Rated 58V

### Time-Current Characteristic



#### 100 A - 250 A

| % of Rating | Opening Time Min. / Max. (s) |
|-------------|------------------------------|
| 75          | - / -                        |
| 100         | 14 400 / -                   |
| 135         | 120 / 1800                   |
| 200         | 1 / 15                       |
| 350         | 0.3 / 5                      |
| 600         | 0.1 / 1                      |

#### 300 A - 500 A

| % of Rating | Opening Time Min. / Max. (s) |
|-------------|------------------------------|
| 75          | 14 400 / -                   |
| 100         | - / -                        |
| 135         | - / -                        |
| 200         | 1 / 15                       |
| 350         | 0.5 / 5                      |
| 600         | 0.1 / 1                      |

100 A    200 A  
 125 A    225 A  
 150 A    250 A  
 175 A    300 A

**Note:** Current recommendation may be impacted by the final condition of the application (terminals characteristics, wire size etc.). Please contact Littelfuse® for more information.

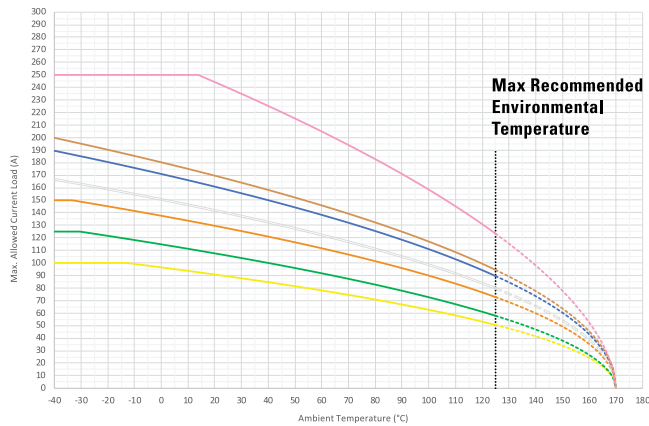
# BF2 Series

## Bolt-down Fuses – Rated 58V

### Typical Derating Curves

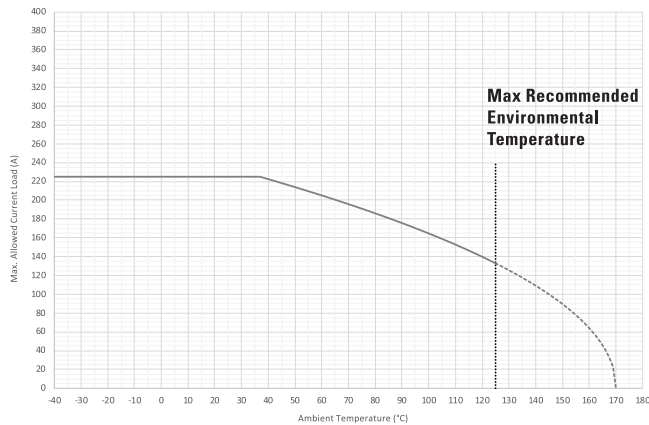
Temperature security margin is 20%.

Please contact Littelfuse® for Details Regarding Derating Test Set Up.



|              | Max. allowed current load (A) at ambient temperature based on typical derating |      |       |       |       |        |        |
|--------------|--------------------------------------------------------------------------------|------|-------|-------|-------|--------|--------|
|              | -40 °C                                                                         | 0 °C | 20 °C | 65 °C | 85 °C | 110 °C | 125 °C |
| <b>100 A</b> | 100                                                                            | 96   | 91    | 76    | 69    | 58     | 50     |
| <b>125 A</b> | 125                                                                            | 115  | 108   | 90    | 80    | 67     | 58     |
| <b>150 A</b> | 150                                                                            | 128  | 130   | 109   | 99    | 83     | 73     |
| <b>175 A</b> | 167                                                                            | 151  | 142   | 120   | 108   | 92     | 80     |
| <b>200 A</b> | 189                                                                            | 171  | 161   | 135   | 122   | 103    | 90     |
| <b>225 A</b> | 200                                                                            | 180  | 170   | 143   | 129   | 109    | 94     |
| <b>250 A</b> | 250                                                                            | 250  | 244   | 200   | 177   | 145    | 123    |
| <b>300 A</b> | 225                                                                            | 225  | 225   | 201   | 181   | 153    | 133    |

— 100 A  
 — 125 A  
 — 150 A  
 — 175 A  
 — 200 A  
 — 225 A  
 — 250 A



— 300 A

**Note:** Current recommendation may be impacted by the final condition of the application (terminals characteristics, wire size etc.). Please contact Littelfuse® for more information.

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