# BF1 FUSE RATED 58V




## Description

This BF1 fuse is rated at 58V and offers a bolt-on fuse for high current wiring protection. Current rating 30A - 200A; with transparent housing for easy detection of blown fuses.

## Specifications

| | |
|---|---|
| Housing: | Out of thermoplastic (UL 94-V0, heat-resistant)<br>Visible melting element |
| Terminals: | Copper alloy, gal. Sn<br>2 x M5 bolts, distance 30 mm |
| Mounting Torque: | 4.5 Nm +/- 1Nm |
| Interrupting Rating: | 1000A @ 58 VDC |
| Complies with: | ISO 8820-5<br>UL 248 Special Purpose Fuses |
| Operating temperature: | -40 to 125 degrees C |

## Ordering Information

| Part Number | Package Size |
|---|---|
| 142.5631.xxx2 | 500 |

## Time-Current Characteristics

| % of Rating | Opening Time Min / Max (s) | |
|---|---|---|
| | 30-150A Fuses | 200A Short Circuit Protectors |
| 75 | – / – | 360,000 s / – |
| 100 | 360,000 s / – | – / – |
| 110 | 14,400 s / – | – / – |
| 150 | 90 s / 3,600 s | – / – |
| 200 | 3 s / 100 s | 1 s / 15 s |
| 300 | 0.300 s / 3 s | – / – |
| 350 | – / – | 0.300 s / 5 s |
| 500 | 0.100 s / 1 s | – / – |
| 600 | – / – | 0.100 s / 1 s |

## Ratings

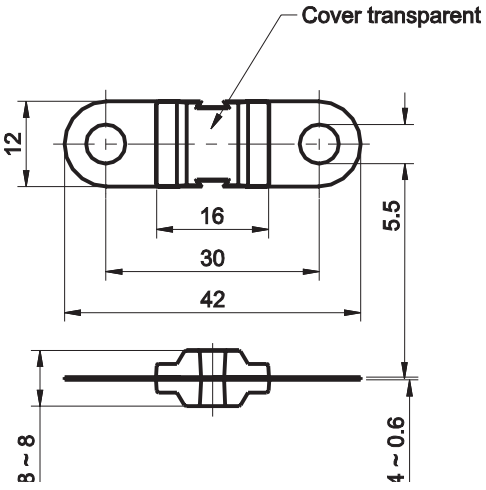
| Part Number | Current Rating | Housing Color | Typ. Voltage Drop | Cold Resistance | $I^2t$ |
|---|---|---|---|---|---|
| 142.5631.5302[1] | 30 A | | 105 mV | 2.70 mΩ | 5,100 $A^2s$ |
| 142.5631.5402 | 40 A | | 90 mV | 1.56 mΩ | 6,800 $A^2s$ |
| 142.5631.5502 | 50 A | | 80 mV | 1.03 mΩ | 6,900 $A^2s$ |
| 142.5631.5602 | 60 A | | 75 mV | 0.75 mΩ | 16,200 $A^2s$ |
| 142.5631.5702 | 70 A | | 70 mV | 0.64 mΩ | 22,000 $A^2s$ |
| 142.5631.5802 | 80 A | | 70 mV | 0.55 mΩ | 25,600 $A^2s$ |
| 142.5631.6102 | 100 A | | 70 mV | 0.44 mΩ | 42,500 A2s |
| 142.5631.6122 | 125 A | | 70 mV | 0.34 mΩ | 62,500 $A^2s$ |
| 142.5631.6152 | 150 A | | 70 mV | 0.29 mΩ | 83,400 $A^2s$ |
| 142.5631.6202[2] | 200 A | | 70 mV | 0.24 mΩ | 126,000 $A^2s$ |

Corresponding holder see Section "Fuse Holders."
Note 1: Not UL rated  Note 2: Short Circuit Protector only

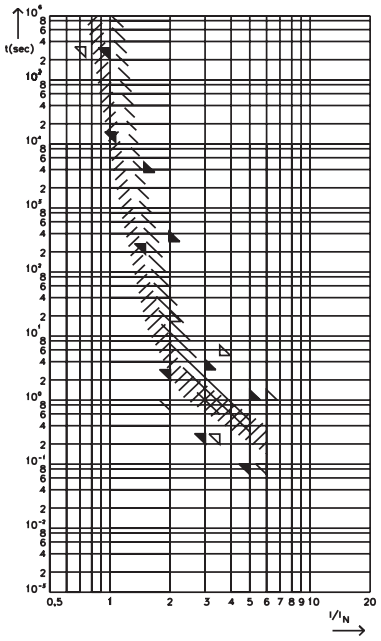
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## Dimensions

Dimensions in mm




## Pre-Arcing Time-Limits




30 A - 150 A: FI = 1.25 (max. operating current: 0.8 x $I_{rat}$ at 23°C)
200 A: FI = 2.00 (max.operating current: 0.5 x $I_{rat}$ at 23°C)

## Derating

Individual derating curves by rating can be ordered through your Littelfuse contact person.


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