

## BF1-Fuse Rated 58V

RoHS



### Specifications

- ISO 8820-5
- UL 248 Special Purpose Fuses
- Housing:** Out of thermoplastic (UL 94-V0, heat-resistant)  
Visible melting element
- Connections:** Copper alloy, gal. Sn  
2 x M5 bolts, distance 30 mm
- Starting torque:** 4.5 Nm +/- 1Nm
- Breaking capacity:** 1,000A, 58 VDC
- Packaging unit:** 500 pieces

The BF1-58 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.

BF1-58 ist eine Schraubsicherung mit 58V Nennspannung zum Schutz von Hochstrom-Verdrahtungen. Nennstrom 30A bis 200A, transparente Abdeckung zur leichten Erkennung durchgebrannter Sicherungen.

### Time-Current Characteristics / Schmelzeit-Grenzwerte

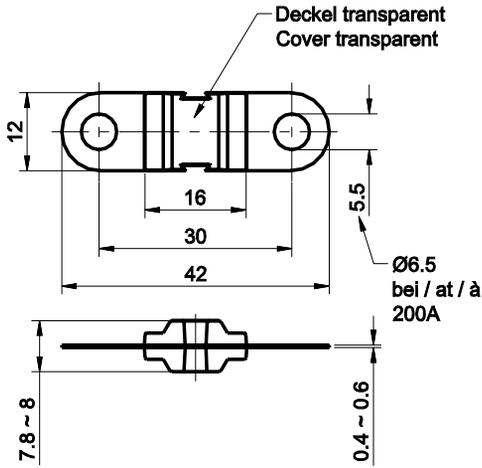
| % of Rating<br>% des Nennstromes | Opening Time Min / Max (s)<br>Schmelzcharakteristik Min / Max (s) |
|----------------------------------|---|
| 75 (200A)                        | 100 h / -   |
| 100 (30A-150A)                   | 100 h / -   |
| 110 (30A-150A)                   | 14,400 s / -  |
| 150 (30A-150A)                   | 300 s / 3,600 s   |
| 200 (30A-150A)                   | 3 s / 300 s   |
| 200 (200A)                       | 1 s / 15 s  |
| 300 (30A-150A)                   | 300 ms / 3 s  |
| 350 (200A)                       | 300 ms / 5 s  |
| 500 (30A-150A)                   | 100 ms / 1 s  |
| 600 (200A)                       | 100 ms / 1 s  |

| Part Number<br>Artikel-Nr. | Current Rating<br>Nennstrom | Housing Color<br>Kennfarbe | Typ. Voltage Drop<br>Typ. Spannungsfall |                 | Cold Resistance<br>Kaltwiderstand | I <sup>2</sup> t |
|----------------------------|-----------------------------|----------------------------|---|-----------------|-----------------------------------|------------------|
|                            |                             |                            | Standard DIN max.                       | Littelfuse max. |                                   |                  |
| 142.5631.5302              | 30 A                        |                            | 105 mV                                  | 105 mV          | 2.70 mΩ                           | 5,100 A²s        |
| 142.5631.5402              | 40 A                        |                            | 90 mV                                   | 90 mV           | 1.56 mΩ                           | 6,800 A²s        |
| 142.5631.5502              | 50 A                        |                            | 80 mV                                   | 80 mV           | 1.03 mΩ                           | 6,900 A²s        |
| 142.5631.5602              | 60 A                        |                            | 80 mV                                   | 75 mV           | 0.75 mΩ                           | 16,200 A²s       |
| 142.5631.5702              | 70 A                        |                            | 80 mV                                   | 70 mV           | 0.64 mΩ                           | 22,000 A²s       |
| 142.5631.5802              | 80 A                        |                            | 75 mV                                   | 70 mV           | 0.55 mΩ                           | 25,600 A²s       |
| 142.5631.6102              | 100 A                       |                            | 75 mV                                   | 70 mV           | 0.44 mΩ                           | 42,500 A²s       |
| 142.5631.6122              | 125 A                       |                            | 75 mV                                   | 70 mV           | 0.34 mΩ                           | 62,500 A²s       |
| 142.5631.6152              | 150 A                       |                            | 85 mV                                   | 70 mV           | 0.29 mΩ                           | 83,400 A²s       |
| 142.5631.6202              | 200 A                       |                            | 85 mV                                   | 70 mV           | 0.24 mΩ                           | 126,000 A²s      |

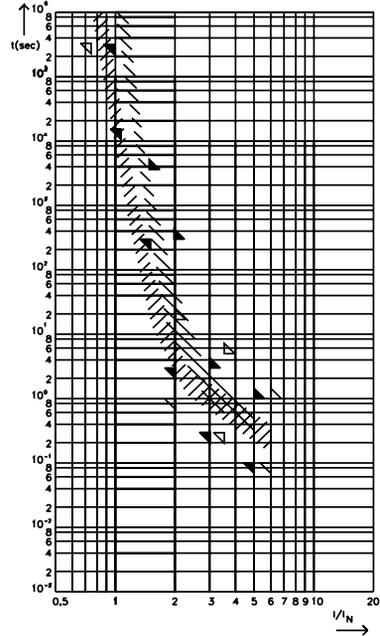
Corresponding holder see Section "Fuse Holders."

**BF1-Fuse Rated 58V**

Dimensions in mm / Maße in mm



Pre-arcing Time - limits / Schmelzzeit-Grenzwerte DIN



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

Bolt-down Fuses

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## Littelfuse:

[153.0020.5702](#) [153.0020.6152](#) [153.0020.5802](#) [153.0010.6102](#) [153.0020.5602](#) [153.0010.6122](#) [153.0020.6122](#)  
[153.0020.6202](#) [153.0020.5302](#) [153.0020.5402](#) [153.0010.5602](#) [153.0020.5502](#) [153.0010.5802](#) [153.0020.6102](#)