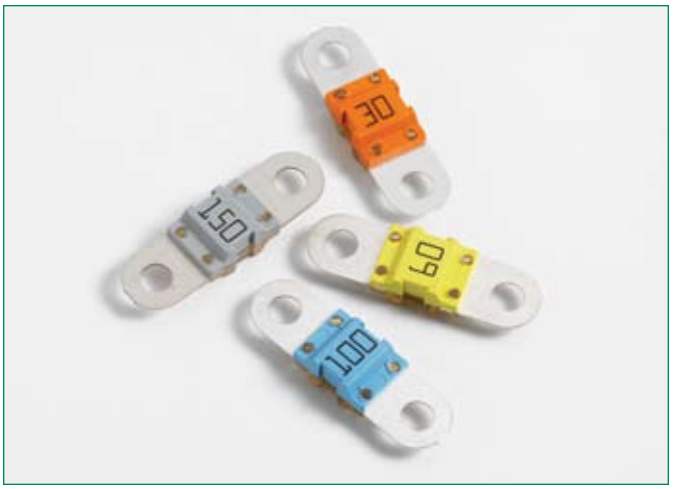
BF1-Fuse Rated 58V

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 / Schmelzzeit-Grenzwerte

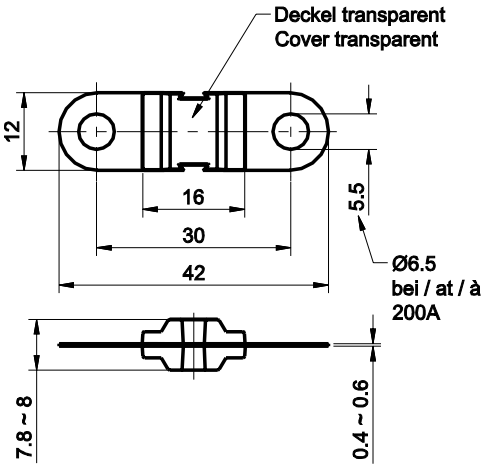
% of Rating % des Nennstromes	Opening Time Min / Max (s) Schmelzcharakteristik Min / Max (s)
75 (200A)	100 h / –
100 (30A–150A)	100 h / –
110 (30A–150A)	14,400 s / –
150 (30A–150A)	300 s / 3,600 s
200 (30A–150A)	3 s / 300 s
200 (200A)	1 s / 15 s
300 (30A–150A)	300 ms / 3 s
350 (200A)	300 ms / 5 s
500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

Part Number Artikel-Nr.	Current Rating Nennstrom	Housing Color Kennfarbe	Typ. Voltage Drop Typ. Spannungsfall		Cold Resistance Kaltwiderstand	I^2t
			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

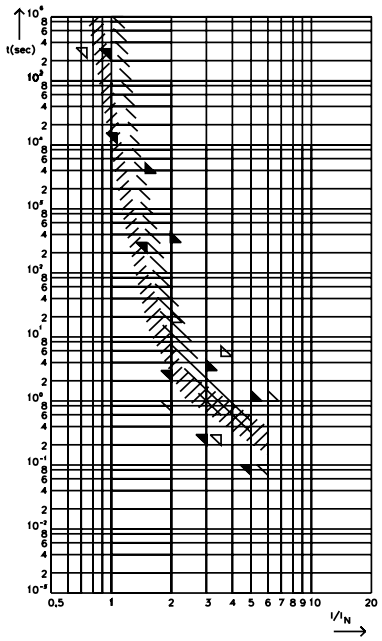
Corresponding holder see Section “Fuse Holders.”

BF1-Fuse Rated 58V

Dimensions in mm / Maße in mm



Pre-arcing Time - limits / Schmelzzeit-Grenzwerte DIN



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