

BF1 Fuses Rated 58V

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 material for easy detection of blown fuses.

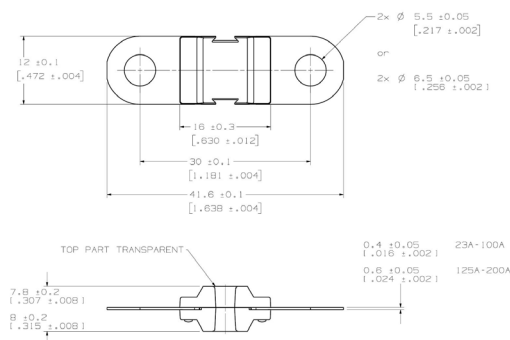
Specifications

Operating temperature:	-40 to 125 degrees C
Housing Material:	PET-GF30
Clear Housing Material:	PES
Terminals:	Copper alloy, gal. Sn
	2 x M5 or M6 bolts, distance 30 mm
Mounting Torque M5:	4.5 Nm +/- 1Nm
Mounting Torque M6:	6.0 Nm +/- 1Nm
Interrupting Rating:	1000A @ 58 VDC
Complies with:	ISO 8820-5, UL 248 Special Purpose Fuses



Dimensions

Dimensions in mm



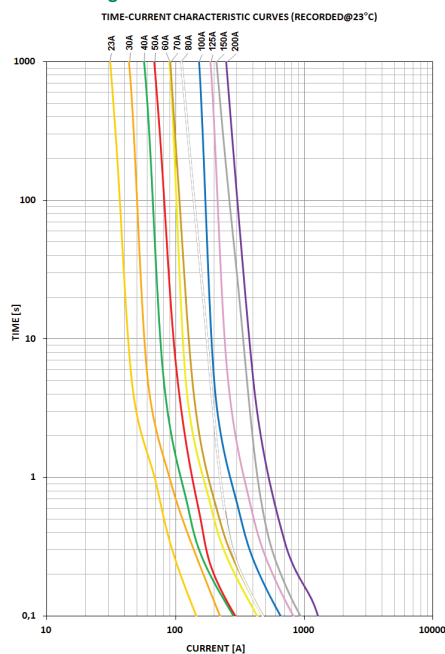
Ordering Information

Part Number	Package Size	Bolt Size	Bolt Hole Qty
142.5631.xxx2	500	M5	2
142.7010.xxx2	500	M6	1
142.7020.xxx2	500	N/A	0

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

Pre-Arcing Time-Limits



30 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)

Ratings

Part Number M5	Part Number M6	Current Rating (A)	Housing Material Color	Typ. Voltage Drop (mV)	Cold Resistance (mΩ)	I ² t (A²s)
142.5631.5302 ¹	142.70xx.5302 ¹	30	Orange	105	2.70	5,100
142.5631.5402	142.70xx.5402	40	Green	90	1.56	6,800
142.5631.5502	142.70xx.5502	50	Red	80	1.03	6,900
142.5631.5602	142.70xx.5602	60	Yellow	75	0.75	16,200
142.5631.5702	142.70xx.5702	70	Brown	70	0.64	22,000
142.5631.5802	142.70xx.5802	80	White	70	0.55	25,600
142.5631.6102	142.70xx.6102	100	Blue	70	0.44	42,500
142.5631.6122	142.70xx.6122	125	Pink	70	0.34	62,500
142.5631.6152	142.70xx.6152	150	Grey	70	0.29	83,400
142.5631.6202 ²	142.70xx.6202	200	Purple	70	0.24	126,000

Note 1: Not UL rated Note 2: Short Circuit Protector only

Derating

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

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Littelfuse:

<u>142.5631.5302</u>	<u>142.5631.5402</u>	<u>142.5631.5502</u>	<u>142.5631.5602</u>	<u>142.5631.5702</u>	<u>142.5631.5802</u>	<u>142.5631.6102</u>
<u>142.5631.6122</u>	<u>142.5631.6152</u>	<u>142.5631.6202</u>	<u>142.7010.5402</u>	<u>142.7010.5502</u>	<u>142.7010.5602</u>	<u>142.7010.6122</u>
<u>142.7010.6152</u>	<u>142.7010.5702</u>	<u>142.7010.5302</u>	<u>142.7010.6202</u>	<u>142.7010.6102</u>	<u>142.7010.5802</u>	