

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

Voltage Rating:	58 V DC
Interrupting Rating:	1000A @ 58 VDC
Recommended Environmental Temperature:	-40 °C to +125 °C
Terminals Material:	Tin plated Copper
Opaque Housing Material:	PET-GF33 (U.L. 94 Flammability rating – V0)
Clear Housing Material:	PES (U.L. 94 Flammability rating – HB)
Mounting Torque M8:	12 Nm +/- 1Nm
Comply With:	UL 248 Special Purpose Fuse
Refers To:	ISO 8820-5:2015

Ordering Information

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

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Ratings

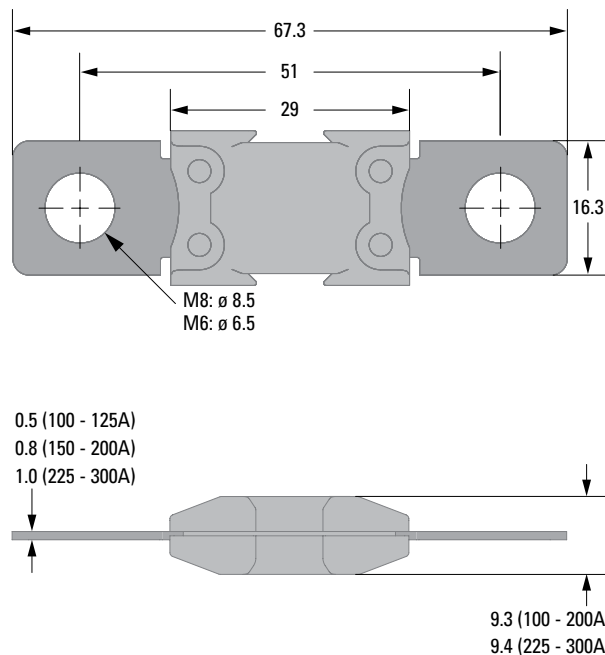
Part Number	Current Rating (A)	Housing Material Color	Test Cable Size (mm ²)	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I ² t (A ² s)
142.5395.6102	100		16	102	0.70	46 800
142.5395.6122	125		25	81	0.52	118 100
142.5395.6152	150		25	77	0.42	113 400
142.5395.6172	175		25	104	0.36	154 400
142.5395.6202	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 ¹	300		70	68	0.21	486 000

Note 1: Short Circuit Protector only

Note 2: The typical I²t is an average value calculated from the breaking capacity tests by using the melting time before the arcing occurs.

Dimensions

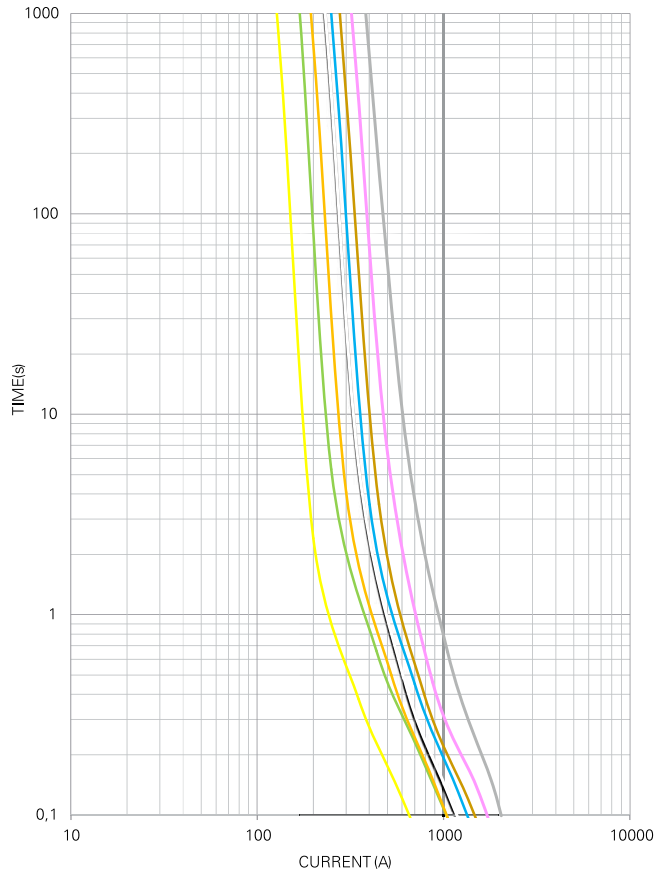
Dimensions in mm. Please refer to the outline drawing for dimensions and tolerances.



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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.

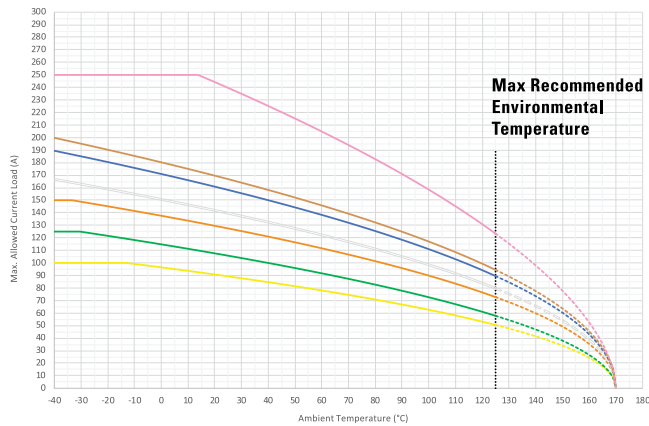
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Typical Derating Curves

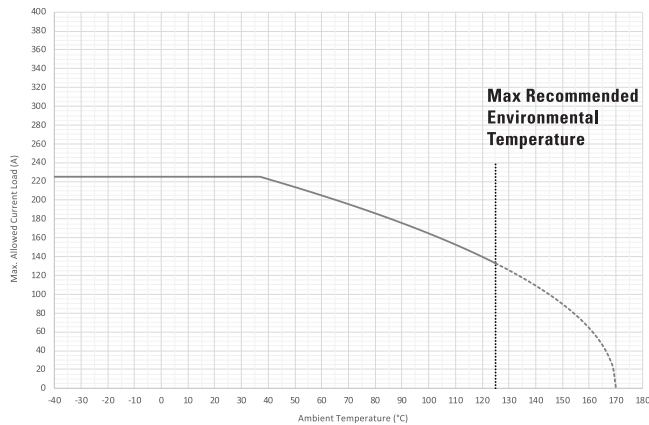
Temperature security margin is 20%.

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
100 A	100	96	91	76	69	58	50
125 A	125	115	108	90	80	67	58
150 A	150	128	130	109	99	83	73
175 A	167	151	142	120	108	92	80
200 A	189	171	161	135	122	103	90
225 A	200	180	170	143	129	109	94
250 A	250	250	244	200	177	145	123
300 A	225	225	225	201	181	153	133

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



— 300 A

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