

BF1 Series

Bolt-down Fuses – Rated 58 V



Description

BF1 58 V fuses use Slo-Blo® technology to protect high-current wiring harnesses. Use the 150 A and 200 A fuses only for short circuit protection.

Features & Benefits

- Color coding indicates ampere rating
- High-contrast ampere rating stamps aid identification
- Refers to ISO 8820-5:2015
- Available with one, two or no mounting holes
- Transparent cover make it easier to see when fuse blow

Applications

- Cars / SUVs
- Trucks
- Offroad vehicles
- Buses
- Watercraft as approved by Littelfuse®

Additional Information



Resources



Samples

Specifications

Voltage Rating:	58 V dc
Interrupting Rating:	30 A: 1000A @ 58 V dc 40 A - 150 A: 2000A @ 58 V dc 200 A: 1500A @ 58 V dc
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 M5:	4.5 N · m +/- 1 N · m
Mounting Torque M6:	6.0 N · m +/- 1 N · m
Comply With:	UL 248 Special Purpose Fuse (Except 30 A)
Refers To:	ISO 8820-5:2015

Ordering Information

Part Number	Current Rating (A)	Package Size	Bolt Size	Bolt Hole Qty
142.5631.xxx2	30 - 200	500	M5	2
142.7010.xxx2	30 - 200	500	M6	2
142.0020.xxx2	30 - 200	500	-	0

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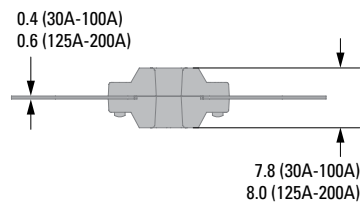
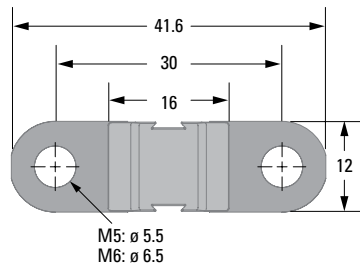
Ratings

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.xxxx.5302 ¹	30	Orange	2.5	105	2.70	5100
142.xxxx.5402	40	Green	4	90	1.56	6800
142.xxxx.5502	50	Red	6	80	1.03	6900
142.xxxx.5602	60	Yellow	6	75	0.75	16 200
142.xxxx.5702	70	Brown	10	70	0.64	22 000
142.xxxx.5802	80	White	10	70	0.55	25 600
142.xxxx.6102	100	Blue	16	70	0.44	42 500
142.xxxx.6122	125	Pink	25	70	0.34	62 500
142.xxxx.6152 ²	150	Grey	25	70	0.29	83 400
142.xxxx.6202 ²	200	Purple	35	70	0.24	126 000

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

Dimensions

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



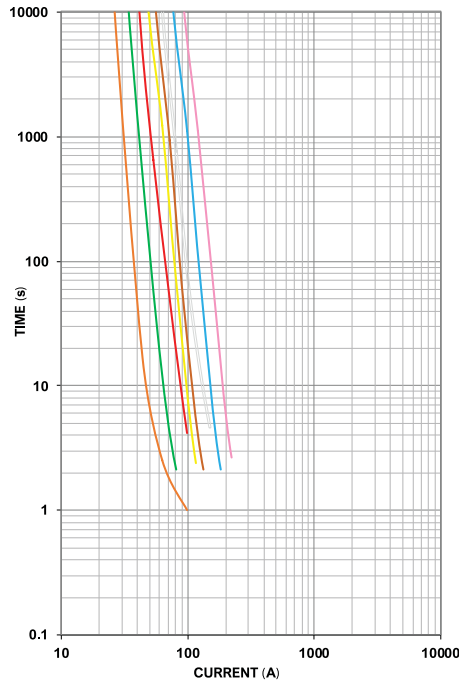
No Holes versions



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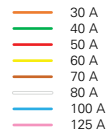
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Time-Current Characteristic

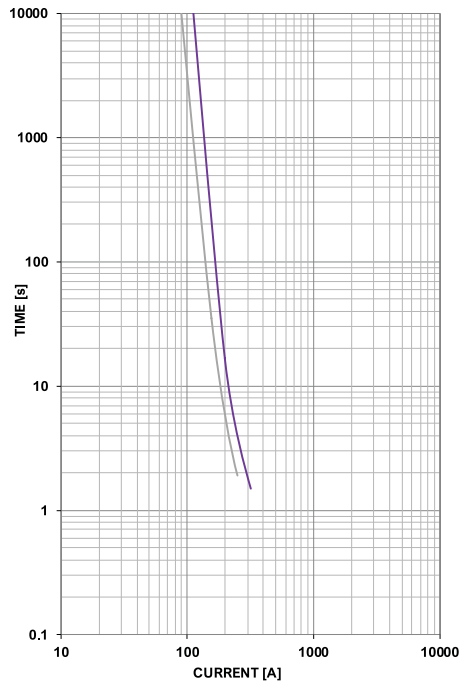


30 A - 125 A

% of Rating	Opening Time Min. / Max. (s)
75	- / -
100	360 000 / -
110	14 400 / -
150	90 / 3 600
200	3 / 100
300	0.3 / 3
350	- / -
500	0.1 / 1
600	- / -



Note: Current recommendation may be impacted by the final condition of the application (terminals characteristics, wire size etc.). Please contact Littelfuse® for more information.



150 A - 200 A

% of Rating	Opening Time Min. / Max. (s)
75	360 000 / -
100	- / -
110	- / -
150	- / -
200	1 / 15
300	- / -
350	0.3 / 5
500	- / -
600	0.1 / 1



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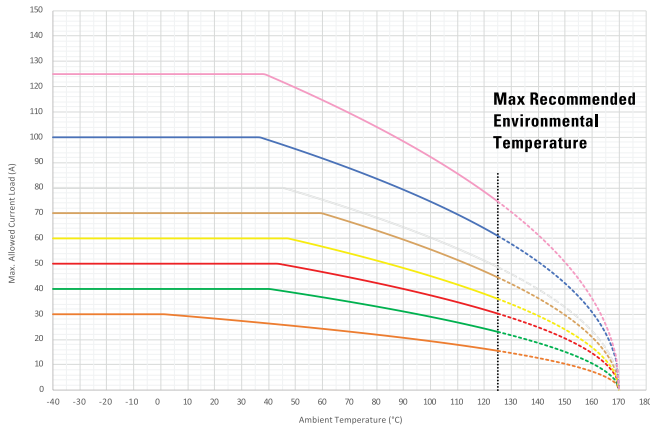
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Typical Derating Curves

Temperature security margin is 20%

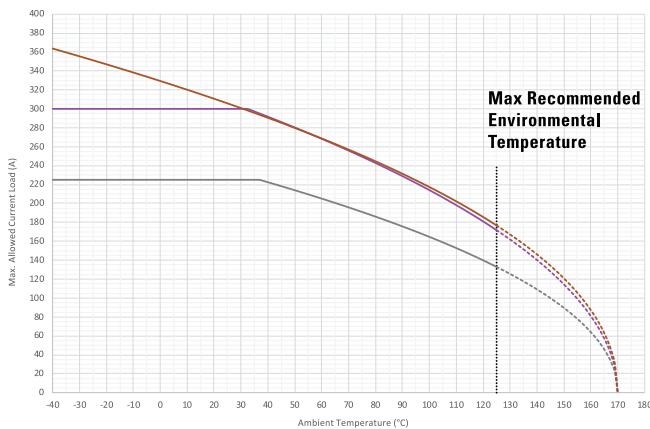
Wire Cross Section And Fixture Test Set Up Refer To ISO 8820-3

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
30 A	30	30	28	24	21	18	16
40 A	40	40	40	36	32	27	23
50 A	50	50	50	46	41	35	30
60 A	60	60	60	55	50	42	36
70 A	70	70	70	68	61	51	45
80 A	80	80	80	74	66	56	49
100 A	100	100	100	90	81	70	61
125 A	125	125	125	112	101	86	75
150 A	113	113	113	113	111	94	81
200 A	150	150	148	126	115	98	86

- 30 A
- 40 A
- 50 A
- 60 A
- 70 A
- 80 A
- 100 A
- 125 A



- 150 A
- 200 A

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