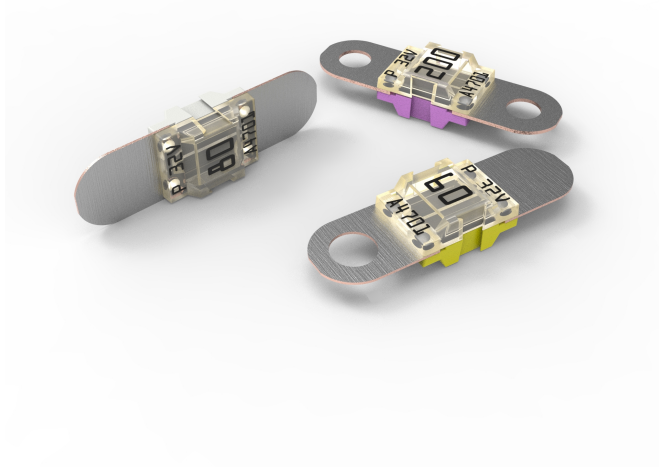


# BF1

## Bolt-down Fuse Rated 32V



### Specifications

<b>Voltage Rating:</b>	32 VDC	
<b>Interrupting Rating:</b>	30A:	1000A @ 32 VDC
	40 A - 150 A:	2000A @ 32 VDC
	200 A:	1500A @ 32 VDC
<b>Recommended Environmental Temperature:</b>	-40°C to +125°C	
<b>Terminals Material:</b>	Tin plated Copper	
<b>Opaque Housing Material:</b>	PET-GF33 (U.L. 94 Flammability rating – V0)	
<b>Clear Housing Material:</b>	PES (U.L. 94 Flammability rating – HB)	
<b>Mounting Torque M5:</b>	4.5 Nm +/- 1Nm	
<b>Mounting Torque M6:</b>	6.0 Nm +/- 1Nm	
<b>Complies with:</b>	UL 248 Special Purpose Fuse	
<b>Refers To:</b>	ISO 8820-5:2015	

### Description

BF1 32V fuses use Slo-Blo® technology to protect high-current wiring harnesses. Use the 150 A and 200 A fuses only for short circuit protection.

### Applications

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

### Features & Benefits

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











### Ordering Information

Part Number	Ratings	Package Size	Bolt Size	Bolt Hole Qty
153.5631.xxx2	30A-200A	1000	M5	2
153.5631.xxx1	30A-200A	10	M5	2
153.7010.xxx2	30A-150A	1000	M6	2
153.7000.xxx2	150-200A	500	M6	2
153.0010.xxx2	60A-125A	1000	M6	1
153.0020.xxx2	30A-200A	500	--	0

# BF1

## Bolt-down Fuse Rated 32V

### Ratings

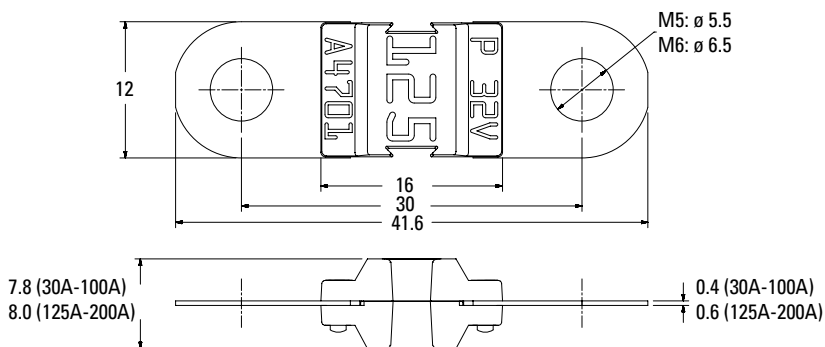
Part Number	Current Rating (A)	Housing Material Color	Test Cable Size (mm <sup>2</sup> )	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I <sup>2</sup> t (A <sup>2</sup> s)
153.xxxx.530_	30		2.5	105	2.70	5 100
153.xxxx.540_	40		4	90	1.56	6 800
153.xxxx.550_	50		6	80	1.03	6 900
153.xxxx.560_	60		6	75	0.75	16 200
153.xxxx.570_	70		10	70	0.64	22 000
153.xxxx.580_	80		10	70	0.55	25 600
153.xxxx.610_	100		16	70	0.44	42 500
153.xxxx.612_	125		25	70	0.34	62 500
153.xxxx.615_ <sup>1</sup>	150		25	70	0.29	83 400
153.xxxx.620_ <sup>3</sup>	200		35	70	0.24	126 000

Note 1: Short Circuit Protector only

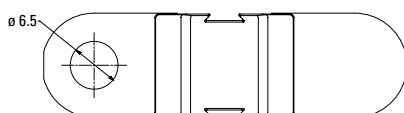
The typical I<sup>2</sup>t is an average value calculated from the breaking capacity tests by using the melting time before the arcing occurs.

### Dimensions

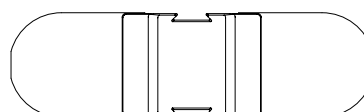
Dimensions in mm for reference only.  
See outline drawing for dimensions and tolerances.



1 Hole M6 version



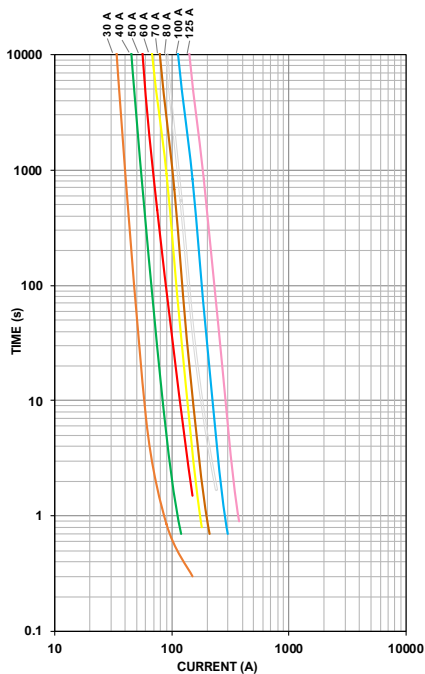
No Holes versions



# BF1

## Bolt-down Fuse Rated 32V

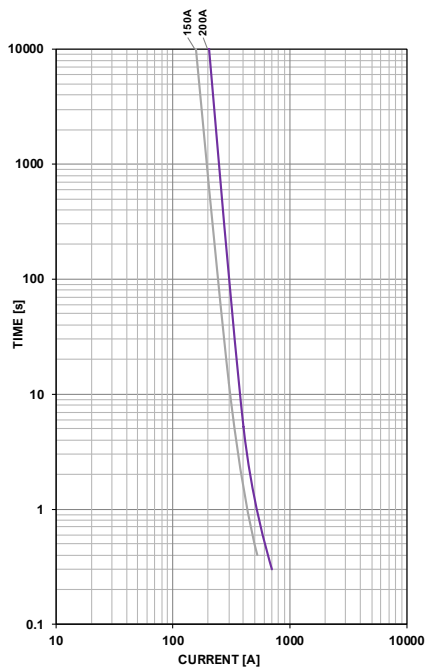
### Time-Current Characteristic Curves



### Time-Current Characteristics

#### Time-Current Characteristics

% of Rating	Opening Time Min / Max (s)	
	30-125A	150-200 A
75	- / -	360,000 / ∞
100	360,000 / ∞	- / -
110	14,400 / ∞	- / -
150	90 / 3,600	- / -
200	3 / 100	1 / 15
300	0.3 / 3	- / -
350	- / -	0.3 / 5
500	0.1 / 1	- / -
600	- / -	0.1 / 1



# BF1

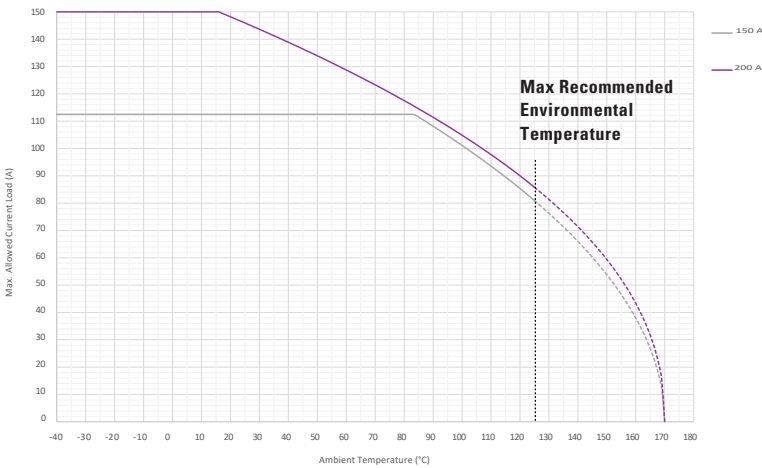
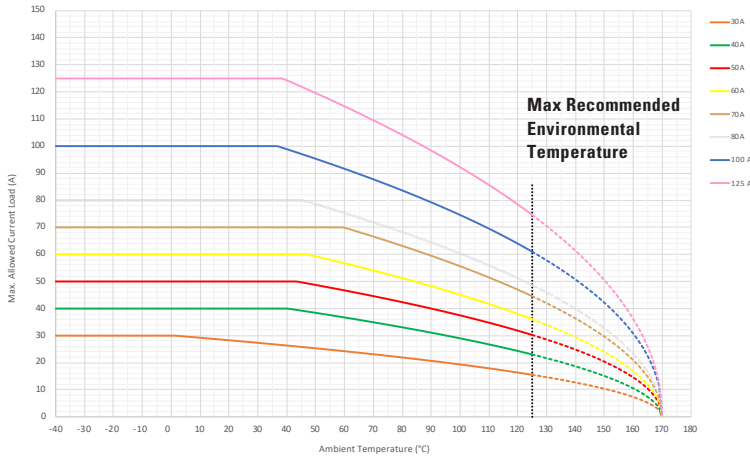
## Bolt-down Fuse Rated 32V

### Typical Derating of Fuse Melting Element

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



### Temperature Table

	max. allowed current load (A) at ambient temperature (typical derating)						
	-40°C	0°C	20°C	65°C	85°C	110°C	125°C
<b>30 A</b>	30	30	28	24	21	18	16
<b>40 A</b>	40	40	40	36	32	27	23
<b>50 A</b>	50	50	50	46	41	35	30
<b>60 A</b>	60	60	60	55	50	42	36
<b>70 A</b>	70	70	70	68	61	51	45
<b>80 A</b>	80	80	80	74	66	56	49
<b>100 A</b>	100	100	100	90	81	70	61
<b>125 A</b>	125	125	125	112	101	86	75
<b>150 A</b>	113	113	113	113	111	94	81
<b>200 A</b>	150	150	148	126	115	98	86

Derating curves may change depending on the final condition of the application (terminals characteristics, wire size etc..). Please ask Littelfuse® for more information.