

# Cartridge and Axial Lead Fuses

## BLF Series

125–250 V Ac • Fast-acting • ½–30 A



### Description

The BLF series fast-acting fuses supplement the primary branch-circuit fuse or breaker to provide backup overcurrent protection. These fuses also have the capability to limit currents with fast-acting reliability, opening within seconds of being exposed to overloads and short circuits. They are suitable for control circuit and instrument protection in dry (exhibiting little to no humidity) locations. The BLF fiber tube fuses are the lowest-priced mid-gauge fuses available.

### Features & Benefits

FEATURES	BENEFITS
<b>10x38 mm size</b>	Common dimensions used in a variety of control circuit applications
<b>Fast-acting</b>	Provides fast short-circuit response within the interrupting rating
<b>Fiber body</b>	Cost-effective material with excellent electrical insulating qualities.
<b>POWR-GARD® technology</b>	Ensures reliable overcurrent protection

### Applications

- Control circuits

### Specifications

<b>Voltage Ratings</b>	125–250 V Ac
<b>Ampere Range</b>	½–30 A
<b>Interrupting Rating</b>	10,000 A
<b>Environmental</b>	RoHS; Lead Free
<b>Materials</b>	Body: Fiber; Cap: Nickel-plated bronze
<b>Applicable Standards</b>	UL 248-14
<b>Country of Origin</b>	Mexico

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### Certification & Compliance

<b>UL</b>	UL Listed (File: E10480)
<b>CSA</b>	CSA Certified (File: LR29862)
<b>CE</b>	EU_DOC-BLF_210701
<b>RoHS</b>	RoHS 2 Directive 2011/65/EU; Directive (EU) 2015/863

### Ordering Information

AMPERE	CATALOG NUMBER	PRODUCT MARKING	PACK QUANTITY	ORDERING NUMBER	UPC	AGENCY APPROVALS	
						UL	CSA
½	BLF500	BLF ½A	10	OBLF500T	07945810024	•	•
1	BLF001	BLF 1A	10	OBLF001.T	07945810031	•	•
1½	BLF01.5	BLF 1-½A	10	OBLF01.5T	07945810037	•	•
2	BLF002	BLF 2A	10	OBLF002.T	07945810041	•	•
2½	BLF02.5	BLF 2-½A	10	OBLF02.5T	07945810043	•	•
3	BLF003	BLF 3A	10	OBLF003.T	07945810047	•	•
4	BLF004	BLF 4A	10	OBLF004.T	07945810053	•	•
5	BLF005	BLF 5A	10	OBLF005.T	07945810055	•	•
6	BLF006	BLF 6A	10	OBLF006.T	07945810058	•	•
6¼	BLF6.25	BLF 6-¼A	10	OBLF6.25T	07945810059	•	•
7	BLF007	BLF 7A	10	OBLF007.T	07945810061	•	•
8	BLF008	BLF 8A	10	OBLF008.T	07945810063	•	•
9	BLF009	BLF 9A	10	OBLF009.T	07945810064	•	•
10	BLF010	BLF 10A	10	OBLF010.T	07945810065	•	•
12	BLF012	BLF 12A	10	OBLF012.T	07945810066	•	•
15	BLF015	BLF 15A	10	OBLF015.T	07945810068	•	•
20	BLF020	BLF 20A	10	OBLF020.T	07945810071	•	•
25	BLF025	BLF 25A	10	OBLF025.T	07945810072	•	•
30	BLF030	BLF 30A	10	OBLF030.T	07945810073	•	•

### Electrical Specifications

AMPERE RATING (A)	VOLTAGE RATING (V) AC	INTERRUPTING RATING	NOM COLD RESISTANCE (OHMS)
.500	250	10,000	1.57
1	250	10,000	.395
1.5	250	10,000	.2191
2	250	10,000	.125
2.5	250	10,000	.0946
3	250	10,000	.0696
4	250	10,000	.0432
5	250	10,000	.0413
6	250	10,000	.02842
6.25	250	10,000	.02741

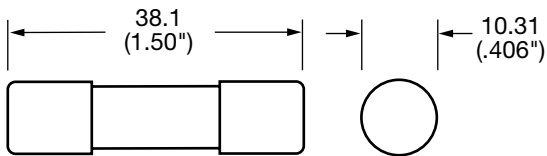
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AMPERE RATING (A)	VOLTAGE RATING (V) AC	INTERRUPTING RATING	NOM COLD RESISTANCE (OHMS)
7	250	10,000	.02282
8	250	10,000	.01664
9	250	10,000	.01364
10	250	10,000	.0117
12	250	10,000	.00920
15	250	10,000	.00920
20	125	10,000	.00528
25	125	10,000	.00378
30	125	10,000	.00289

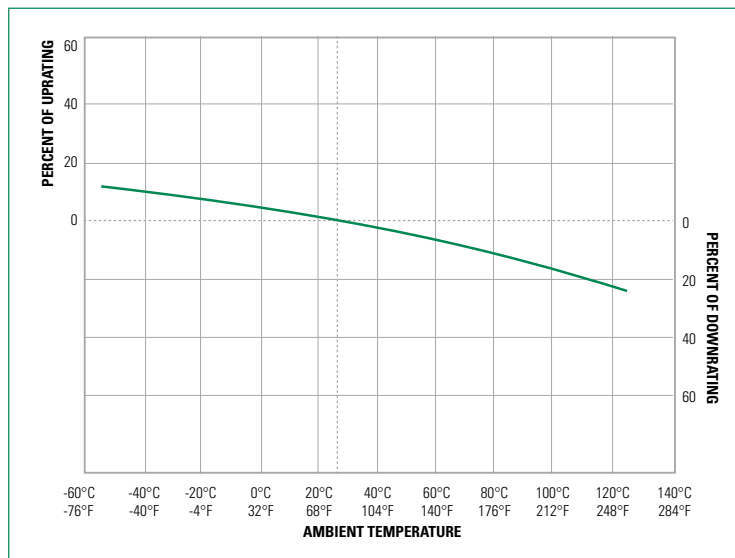
### Dimensions Millimeters (inches)



### Electrical Characteristics

% OF AMPERE RATING	AMPERE RATING	OPENING TIME
100%	0-10	Until temp stabilizes
135%	0-10	1 hours, Maximum
200%	0-10	2 minutes, Maximum

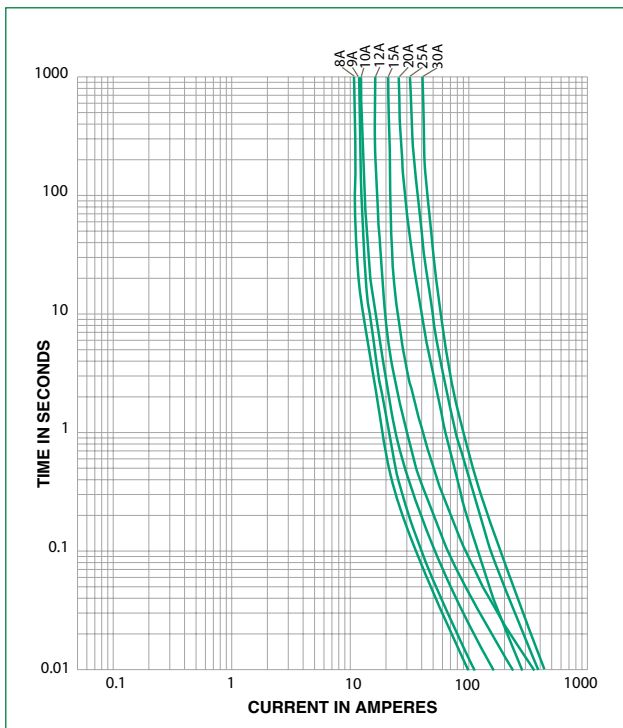
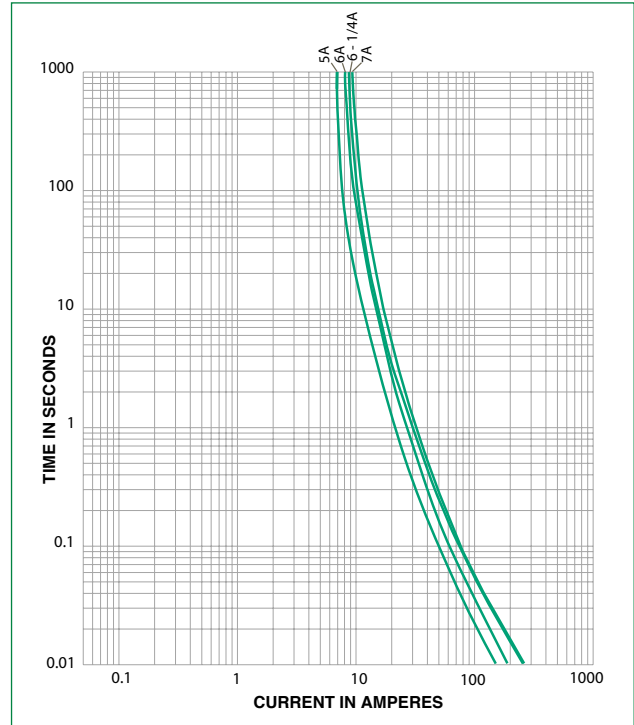
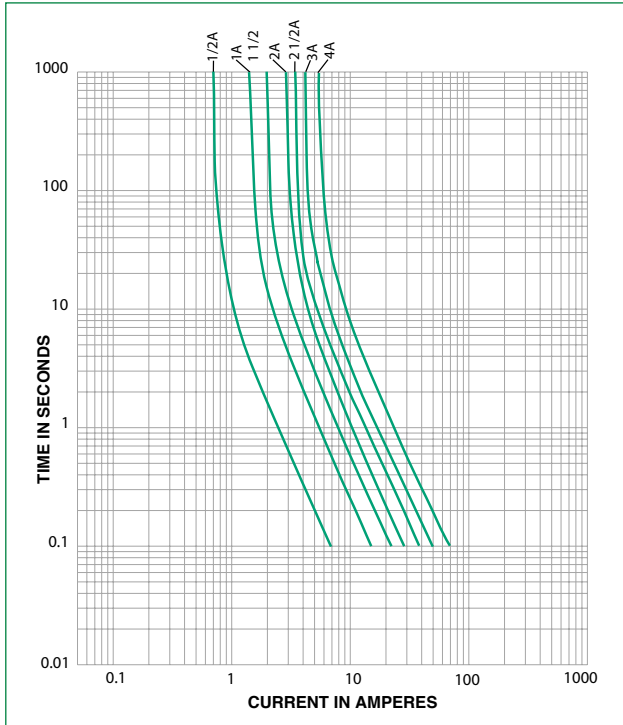
### Temperature Derating Curve



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### Average Time Current Curves



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