

# Midget 10x38mm Fuses

## BLS Series

250–600 V ac • 10x35 • Fast-Acting •  $\frac{2}{10}$ –10A



### Description

The BLS series fast-acting fuses are 1 $\frac{3}{8}$ " long in comparison to other midget fuses, which are 1 $\frac{1}{2}$ " long. They provide space-saving, low-cost protection for street lighting, metering, control and electronic circuits. These fuses open circuits quickly when surges are detected, providing exceptional security for equipment requiring fast overload protection.

### Features & Benefits

FEATURES	BENEFITS
<b>Special 10x35 mm size</b>	Suitable for applications with space constraints
<b>Fast-acting</b>	Provides fast, reliable overcurrent response within the interrupting rating
<b>POWR-GARD® technology</b>	Ensures reliable overcurrent protection

### Applications

- Street lighting
- Metering
- Control and electronic circuits

### Specifications

<b>Voltage Ratings</b>	250–600 V Ac
<b>Ampere Range</b>	$\frac{2}{10}$ –10 A
<b>Interrupting Rating</b>	10,000 A
<b>Environmental</b>	RoHS; Lead Free
<b>Material</b>	Body: Paper; 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-BLS_220301
<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
$\frac{1}{10}$	BLS.200	BLS $\frac{1}{10}$ A	10	OBLS.200T	07945812018	•	•
$\frac{1}{10}$	BLS.400	BLS $\frac{1}{10}$ A	10	OBLS.400T	07945812023	•	•
$\frac{1}{2}$	BLS.500	BLS $\frac{1}{2}$ A	10	OBLS.500T	07945812024	•	•
$\frac{3}{4}$	BLS.750	BLS $\frac{3}{4}$ A	10	OBLS.750T	07945812029	•	•
$\frac{8}{10}$	BLS.800	BLS $\frac{8}{10}$ A	10	OBLS.800T	07945800077	•	•
1	BLS001	BLS 1A	10	OBLS001.T	07945812031	•	•
			100	OBLS001.H	07945894581	•	•
1 $\frac{1}{2}$	BLS01.5	BLS 1- $\frac{1}{2}$ A	10	OBLS01.5T	07945812037	•	•
1 $\frac{1}{10}$	BLS01.6	BLS 1- $\frac{1}{10}$ A	10	OBLS01.6T	07945812038	•	•
1 $\frac{1}{10}$	BLS01.8	BLS 1- $\frac{1}{10}$ A	10	OBLS01.8T	07945812040	•	•
2	BLS002	BLS 2A	10	OBLS002.T	07945812041	•	•
			100	OBLS002.H	07945894582	•	•
			1000	OBLS002.M	0794584583	•	•
3	BLS003	BLS 3A	10	OBLS003.T	07945812047	•	•
			100	OBLS003.H	07945894584	•	•
			1000	OBLS003.M	07945894585	•	•
4	BLS004	BLS 4A	10	OBLS004.T	07945812053	•	•
5	BLS005	BLS 5A	10	OBLS005.T	07945812055	•	•
6	BLS006	BLS 6A	10	OBLS006.T	07945812058	•	•
7	BLS007	BLS 7A	10	OBLS007.T	07945812061	•	•
8	BLS008	BLS 8A	10	OBLS008.T	07945812063	•	•
10	BLS010	BLS 10A	10	OBLS010.T	07945812065	•	•
225	JLS225	JLS 225	1	OJLS225.X	07945820089	•	•
250	JLS250	JLS 250	1	OJLS250.X	07945820090	•	•

### Electrical Specifications

AMP RATING (A)	MAX VOLTAGE RATING (V)	INTERRUPTING RATING (A) AT RATED VAC.	NOMINAL COLD RESISTANCE (OHMS)
.200	600	10,000	36
.400	600	10,000	13.24
.500	600	10,000	1.25
.750	600	10,000	.591
.800	600	10,000	.524
1	600	10,000	.944
1.5	600	10,000	.190

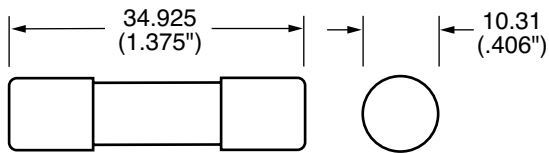
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### Electrical Specifications

AMP RATING (A)	MAX VOLTAGE RATING (V)	INTERRUPTING RATING (A) AT RATED VAC.	NOMINAL COLD RESISTANCE (OHMS)
1.6	600	10,000	.180
1.8	600	10,000	.143
2	600	10,000	.2608
3	600	10,000	.128
4	600	10,000	.0464
5	600	10,000	.0330
6	250	10,000	.0182
7	250	10,000	.0145
8	250	10,000	.012
10	250	10,000	.00881

### Dimensions Millimeters (inches)



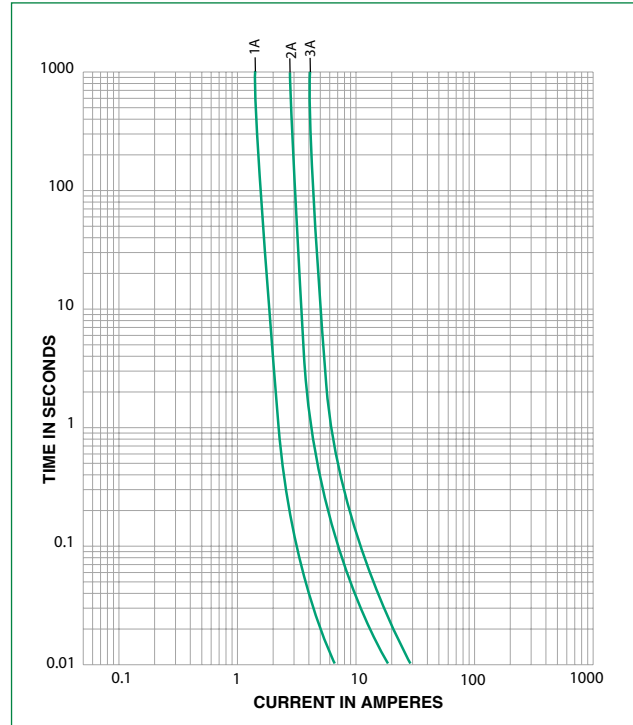
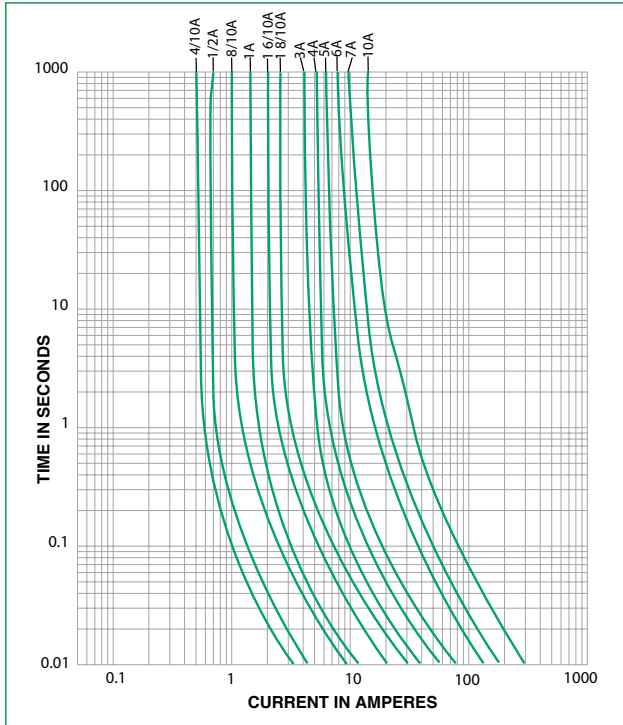
### Electrical Characteristics

% 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

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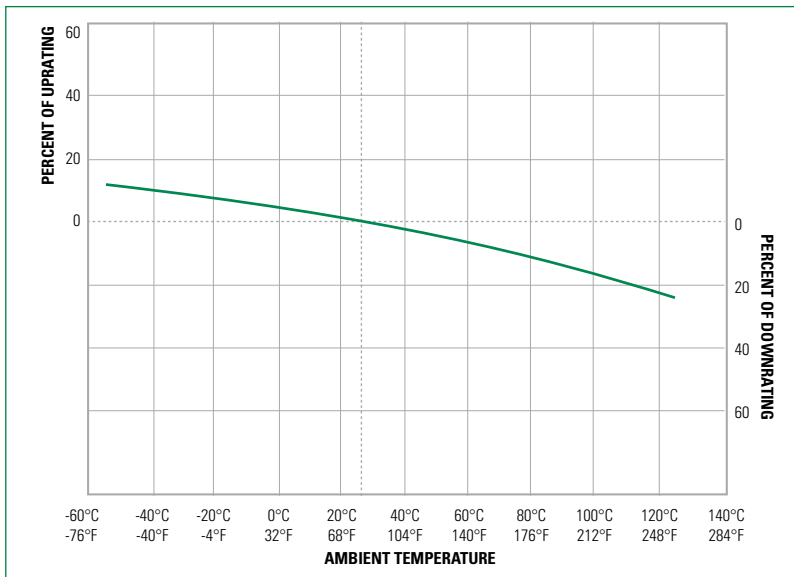
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### Average Time Current Curves



### Temperature Derating Curve

Ambient temperature: temperature of air immediately surrounding fuse



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