

# Midget Fuses

Supplementary Overcurrent Protection



## KLK Fuses

### FAST-ACTING ■ 600 VAC

Fast-acting, high-interrupting capacity, current-limiting type fuse. Especially suited for control circuits, street lighting, H.I.D. lighting, computers, and other applications without high inrush currents.

**Voltage Rating:** 600 Volts AC  
500 Volts DC

**Interrupting Rating:** UL Listed 100,000 amperes rms symmetrical  
(Capable of 200,000 amperes)

#### Ampere Ratings:

|                |    |   |    |
|----------------|----|---|----|
| $\frac{1}{10}$ | 1  | 4 | 10 |
| $\frac{1}{8}$  | 1½ | 5 | 12 |
| $\frac{1}{4}$  | 2  | 6 | 15 |
| $\frac{1}{2}$  | 2½ | 7 | 20 |
| $\frac{3}{4}$  | 3  | 8 | 25 |
| $\frac{1}{2}$  | 3½ | 9 | 30 |
| $\frac{3}{4}$  |    |   |    |

**Approvals:** Standard 248-14  
UL Listed 3/10-30A  
(File No: E10480)  
CSA Certified 3/10-30A  
(File No: LR29862)  
Versions available to meet  
MIL-F-5160/60, QPL F60C:  
Contact Factory.

**Dimensions:** 13/32" x 1-1/2"

Example part number (series & amperage): KLK 1-1/2



## KLKD Fuses

### FAST-ACTING ■ 600 VAC/DC

Fast-acting, high-interrupting capacity, current-limiting type fuse. Especially suited for DC control circuits, street lighting, H.I.D. lighting, computers, and other applications.

**Voltage Rating:** 600 Volts AC/DC

**Interrupting Rating:** AC: 100,000 amperes rms symmetrical; DC: 10,000 amperes

#### Ampere Ratings:

|                |    |   |    |
|----------------|----|---|----|
| $\frac{1}{10}$ | 1  | 4 | 10 |
| $\frac{1}{8}$  | 1½ | 5 | 12 |
| $\frac{1}{4}$  | 2  | 6 | 15 |
| $\frac{1}{2}$  | 2½ | 7 | 20 |
| $\frac{3}{4}$  | 3  | 8 | 25 |
| $\frac{1}{2}$  | 3½ | 9 | 30 |
| $\frac{3}{4}$  |    |   |    |

**Approvals:** Standard 248-14  
UL Listed 3/10-30A  
(File No: E10480)  
CSA Certified 3/10-30A  
(File No: LR29862)

**Dimensions:** 13/32" x 1-1/2"

Example part number (series & amperage): KLKD 30



## FLM Fuses

### TIME-DELAY ■ 250 VAC

Use FLM 250 volt time-delay fuses to protect control circuit transformers, solenoids, and other circuits with high inrush currents. Excellent for supplemental protection of small motors. For motor branch-circuit protection, See Class CC fuses.

**Voltage Rating:** 250 Volts AC

**Interrupting Rating:** AC: 10,000 amperes rms symmetrical.

#### Ampere Ratings:

|                |    |    |    |
|----------------|----|----|----|
| $\frac{1}{10}$ | 1½ | 3  | 7  |
| $\frac{1}{8}$  | 1¼ | 3½ | 8  |
| $\frac{1}{4}$  | 1½ | 3½ | 9  |
| $\frac{1}{2}$  | 1½ | 4  | 10 |
| $\frac{3}{4}$  | 1½ | 4½ | 12 |
| $\frac{1}{2}$  | 1½ | 5  | 15 |
| $\frac{1}{2}$  | 2  | 5½ | 20 |
| $\frac{3}{4}$  | 2½ | 6  | 25 |
| $\frac{1}{2}$  | 2½ | 6½ | 30 |
| 1              | 2½ |    |    |

**Approvals:** Standard 248-14  
UL Listed (File No: E10480)  
CSA Certified  
(File No: LR29862)

**Dimensions:** 13/32" x 1-1/2"

Example part number (series & amperage): FLM 15



## FLQ Fuses

### TIME-DELAY ■ 500 VAC

These 500 volt time-delay fuses provide excellent supplemental protection of control power transformers, solenoids, and circuits with high inrush currents. UL and CSA 500 volt ratings permit use on 480 volt circuits. FLQ fuses also provide supplemental protection to small motors. For motor branch-circuit protection, see Class CC fuses.

**Voltage Rating:** 500 Volts AC

**Interrupting Rating:** 10,000 amperes rms symmetrical

#### Ampere Ratings:

|                |                |    |    |
|----------------|----------------|----|----|
| $\frac{1}{10}$ | $\frac{1}{10}$ | 3½ | 8  |
| $\frac{1}{8}$  | 1              | 3½ | 9  |
| $\frac{1}{4}$  | 1½             | 4  | 10 |
| $\frac{1}{2}$  | 1½             | 4½ | 12 |
| $\frac{3}{4}$  | 1½             | 5  | 14 |
| $\frac{1}{2}$  | 1½             | 5½ | 15 |
| $\frac{1}{2}$  | 2              | 6  | 20 |
| $\frac{1}{2}$  | 2½             | 6½ | 25 |
| $\frac{1}{2}$  | 2½             | 7  | 30 |
| $\frac{3}{4}$  | 3              |    |    |

**Approvals:** Standard 248-14  
UL Listed (File No: E10480)  
CSA Certified  
(File No: LR29862)

**Dimensions:** 13/32" x 1-1/2"

Example part number (series & amperage): FLQ 1/2

## RECOMMENDED FUSE BLOCKS

L60030M series. Refer to Fuse Block section of this catalog for additional information.

Midget & Electronic Fuses

# Midget Fuses

Supplementary Overcurrent Protection



## BLN Fuses

### FAST-ACTING ■ 250 VAC

Fiber tube, 250 volt BLN fuses provide low-cost protection for military applications and control circuits.

**Voltage Rating:** 250 Volts AC

**Interrupting Rating:** 10,000 amperes rms symmetrical

#### Ampere Ratings:

|   |   |    |    |
|---|---|----|----|
| 1 | 5 | 10 | 20 |
| 2 | 6 | 12 | 25 |
| 3 | 8 | 15 | 30 |
| 4 |   |    |    |

**Approvals:** Standard 248-14  
UL Listed (File No: E10480)  
CSA Certified  
(File No: LR29862)  
Versions available to meet  
MIL-F-15160/9, QPL F09A:  
Contact Factory

**Dimensions:** 13/32" x 1-1/2"

Example part number (series & amperage): BLN 30



## BLF Fuses

### FAST-ACTING ■ 125/250 VAC

Laminated tube BLF fuses are the lowest price midget fuse. They are suitable for control circuit and instrument protection in dry locations.

**Voltage Ratings:** 250 Volts AC: 1/2 – 15 amperes; 125 Volts AC: 20 – 30 amperes

**Interrupting Rating:** 10,000 amperes rms symmetrical

#### Ampere Ratings:

|       |       |    |    |
|-------|-------|----|----|
| 1/2   | 3     | 7  | 15 |
| 1     | 4     | 8  | 20 |
| 1 1/2 | 5     | 9  | 25 |
| 2     | 6     | 10 | 30 |
| 2 1/2 | 6 1/2 | 12 |    |

**Approvals:** Standard 248-14  
UL Listed (File No: E10480)  
CSA Certified  
(File No: LR29862)

**Dimensions:** 13/32" x 1-1/2"

Example part number (series & amperage): BLF 5



## BLS Fuses

### FAST-ACTING ■ 250/600 VAC

BLS fuses are 1-3/8" long in contrast to other midget fuses which are 1-1/2". They provide space-saving, low-cost, protection to street lighting, metering, control and electronic circuits.

**Voltage Rating:** 600 Volts AC: 2/10 – 5 amperes; 250 Volts AC: 6 – 10 amperes

**Interrupting Rating:** 10,000 amperes rms symmetrical

#### Ampere Ratings:

|      |        |   |    |
|------|--------|---|----|
| 3/10 | 1      | 2 | 6  |
| 1/10 | 1 1/2  | 3 | 7  |
| 1/2  | 1 1/10 | 4 | 8  |
| 3/4  | 1 1/10 | 5 | 10 |
| 9/10 |        |   |    |

**Approvals:** Standard 248-14  
UL Listed 1/2-5 Amps  
(File No: E10480)  
CSA Certified 1/2 – 5 Amps  
(File No: LR29862)

**Dimensions:** 13/32" x 1-3/8"

Example part number (series & amperage): BLS 10



## FLA Fuses

### TIME-DELAY ■ 125 VAC

FLA fuses are 125 volt, *pin-indicating* time-delay fuses for protection of control circuit transformers, solenoids, and other circuits with high inrush currents. Metal indicating pin "pops-out" when fuse opens. Pin gives visual indication of open fuse. Use FLA fuses in conjunction with special fuseblocks to operate mechanical signal switches or energize alarm circuits. Fuses rated 12 amperes and above have dual-tube construction.

**Voltage Rating:** 125 Volts AC

**Interrupting Rating:** 10,000 amperes rms symmetrical

#### Ampere Ratings:

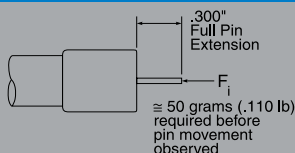
|         |        |        |       |
|---------|--------|--------|-------|
| 1/10    | 1 1/8  | 2 1/10 | 6 1/2 |
| 1 1/100 | 1 1/4  | 3      | 7     |
| 3/10    | 1 1/10 | 3 1/10 | 8     |
| 1/4     | 1 1/2  | 3 1/2  | 10    |
| 3/10    | 1 1/10 | 4      | 12 *  |
| 1/2     | 1 1/10 | 4 1/2  | 15 *  |
| 1/2     | 2      | 5      | 20 *  |
| 9/10    | 2 1/4  | 5 1/10 | 25 *  |
| 9/10    | 2 1/2  | 6      | 30 *  |
| 1       |        |        |       |

**Approvals:** Standard 248-14  
UL Listed (File No: E10480)  
CSA Certification Pending

**Dimensions:** 13/32" x 1-1/2"

\* Note: Dual tube construction

Example part number (series & amperage): FLA 15



## RECOMMENDED FUSE BLOCKS

L60030M series. Refer to Fuse Block section of this catalog for additional information.

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NEW



## KLQ Series Fuses

The Littelfuse KLQ series is designed to protect gaseous vapor fixtures, HID ballasts, and other electronic and lighting circuits. The KLQ is the same physical size as the Littelfuse BLS, but has more time delay to handle transient and inrush currents.

### SPECIFICATIONS

**Voltage Rating:** 600VAC

**Interrupting Rating:** 10,000 amperes

**Ampere Range:** 1 – 6 amperes

**Approvals:** Standard 248-14 UL Listed (File No: E10480)

**Dimensions:** 13/32" x 1-3/8"

### AMPERE RATINGS

|        |   |   |   |
|--------|---|---|---|
| 1      | 2 | 4 | 6 |
| 1-6/10 | 3 | 5 |   |

### RECOMMENDED FUSE BLOCKS

L60030M Series. Refer to Fuse Block section of this catalog for additional information.

### ORDERING INFORMATION

Example catalog number: KLQ005

Example system number: 0KLQ005.T

### CROSS REFERENCE

| Littelfuse | Buss | Ferraz-Shawmut |
|------------|------|----------------|
| KLQ        | KTQ  | —              |

Midget & Electronic Fuses

NEW



## FLU Series Fuses

The Littelfuse FLU series is designed specifically for the protection of multimeters. The 1000 VAC/VDC rating also makes the FLU ideal for a variety of other applications.

### SPECIFICATIONS

**Voltage Rating:** 1000 VAC/VDC

**Interrupting Rating:** 44/100A: 10kA  
11A: 20kA

**Ampere Range:** 44/100 and 11 amperes

**Approvals:** UL Recognized under the components program.  
(File No: E10480)  
CSA Certified (File No: LR29862)

**Dimensions:** 44/100A: 13/32" x 1-3/8"  
11A: 13/32" x 1-1/2"

### ORDERING INFORMATION

Example catalog number: FLU011

Example system number: 0FLU011.T

### CROSS REFERENCE

| Littelfuse | Buss | Ferraz-Shawmut |
|------------|------|----------------|
| FLU        | DMM  | —              |

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