

# Midget 10x38mm Fuses

## FLQ Series

500 V ac • Time-Delay •  $\frac{1}{10}$ –30 A



### Description

The FLQ series 500 V fuses are designed to provide supplemental overcurrent protection of control power transformers, solenoids, and circuits with high in-rush currents. They also provide excellent supplemental protection of small motors. These time-delay fuses can carry an overload several times the normal load for a short period of time without blowing. The FLQ fuses are non-indicating and may be used with an indicating fuse block to identify a blown fuse. Note that UL and CSA 500 V ratings permit use on 480 V circuits.

### Features & Benefits

| FEATURES                     | BENEFITS                                                                      |
|------------------------------|-------------------------------------------------------------------------------|
| <b>10x38 mm size</b>         | Common dimensions used in a variety of applications                           |
| <b>Time-delay</b>            | Allows for temporary current surge for a short period of time without blowing |
| <b>POWR-GARD® technology</b> | Ensures quality backup overcurrent protection                                 |

### Applications

- Control circuit transformers
- Solenoids
- Circuits with high in-rush currents
- Small motors

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### Specifications

|                             |                                                                                                              |
|-----------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Voltage Rating</b>       | Ac: 500 V ac or less<br>Dc: 300 V                                                                            |
| <b>Interrupting Ratings</b> | Ac: 10 kA rms symmetrical<br>Dc: 10 kA self-certified                                                        |
| <b>Ampere Range</b>         | $\frac{1}{10}$ –30 A                                                                                         |
| <b>Applicable Standards</b> | Ac: UL Listed (File: E10480)<br>CSA Certified (File: LR29862)<br>Dc: Littelfuse self-certified               |
| <b>Environmental</b>        | RoHS Compliant                                                                                               |
| <b>Material</b>             | Body: Paper: $\frac{1}{10}$ A–5 A<br>Melamine: 5 $\frac{1}{10}$ A–30 A<br>Caps: Copper Alloy (Nickel plated) |
| <b>Country of Origin</b>    | Mexico                                                                                                       |

### Certification & Compliance

|             |                                                      |
|-------------|------------------------------------------------------|
| <b>UL</b>   | UL Listed (File: E10480)                             |
| <b>CSA</b>  | CSA Certified (File: LR29862)                        |
| <b>CE</b>   | EU_DOC-FLQ_210701                                    |
| <b>RoHS</b> | RoHS 2 Directive 2011/65/EU; Directive (EU) 2015/863 |

### Accessories

Littelfuse LPSM dead-front series fuse holder  
Littelfuse L60030M open-face series fuse holder

### Ordering Information

#### Ferrule Version

| AMP RATING       | VOLTAGE (V AC) | INTERRUPTING RATING (KA) |    | CATALOG NUMBER | PRODUCT MARKING        | ORDERING NUMBER | UPC         | AGENCY APPROVALS |     |
|------------------|----------------|--------------------------|----|----------------|------------------------|-----------------|-------------|------------------|-----|
|                  |                | AC                       | DC |                |                        |                 |             | UL               | CSA |
| $\frac{1}{10}$   | 500            | 10                       | 10 | FLQ.100        | FLQ $\frac{1}{10}$ A   | 0FLQ.100T       | 07945816011 | •                | •   |
| $\frac{1}{8}$    | 500            | 10                       | 10 | FLQ.125        | FLQ $\frac{1}{8}$ A    | 0FLQ.125T       | 07945816012 | •                | •   |
| $\frac{15}{100}$ | 500            | 10                       | 10 | FLQ.150        | FLQ $\frac{15}{100}$ A | 0FLQ.150T       | 07945816013 | •                | •   |
| $\frac{3}{16}$   | 500            | 10                       | 10 | FLQ.187        | FLQ $\frac{3}{16}$ A   | 0FLQ.187T       | 07945816017 | •                | •   |
| $\frac{3}{10}$   | 500            | 10                       | 10 | FLQ.200        | FLQ $\frac{3}{10}$ A   | 0FLQ.200T       | 07945816018 | •                | •   |
| $\frac{1}{4}$    | 500            | 10                       | 10 | FLQ.250        | FLQ $\frac{1}{4}$ A    | 0FLQ.250T       | 07945816019 | •                | •   |
| $\frac{3}{10}$   | 500            | 10                       | 10 | FLQ.300        | FLQ $\frac{3}{10}$ A   | 0FLQ.300T       | 07945800089 | •                | •   |
| $\frac{4}{10}$   | 500            | 10                       | 10 | FLQ.400        | FLQ $\frac{4}{10}$ A   | 0FLQ.400T       | 07945816023 | •                | •   |
| $\frac{1}{2}$    | 500            | 10                       | 10 | FLQ.500        | FLQ $\frac{1}{2}$ A    | 0FLQ.500T       | 07945816024 | •                | •   |
| $\frac{6}{10}$   | 500            | 10                       | 10 | FLQ.600        | FLQ $\frac{6}{10}$ A   | 0FLQ.600T       | 07945800090 | •                | •   |
| $\frac{8}{10}$   | 500            | 10                       | 10 | FLQ.800        | FLQ $\frac{8}{10}$ A   | 0FLQ.800T       | 07945800091 | •                | •   |
| 1                | 500            | 10                       | 10 | FLQ001         | FLQ 1A                 | 0FLQ001.T       | 07945816031 | •                | •   |
| 1 $\frac{1}{8}$  | 500            | 10                       | 10 | FLQ1.12        | FLQ 1- $\frac{1}{8}$ A | 0FLQ1.12T       | 07945816032 | •                | •   |
| 1 $\frac{1}{4}$  | 500            | 10                       | 10 | FLQ1.25        | FLQ 1- $\frac{1}{4}$ A | 0FLQ1.25T       | 07945816034 | •                | •   |

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|------------|----------------|--------------------------|----|----------------|-----------------|-----------------|-------------|------------------|-----|
|            |                | AC                       | DC |                |                 |                 |             | UL               | CSA |
| 1 ½        | 500            | 10                       | 10 | FLQ01.5        | FLQ 1-½ A       | 0FLQ01.5T       | 07945816037 | •                | •   |
| 1 ⅝        | 500            | 10                       | 10 | FLQ01.6        | FLQ 1-⅝ A       | 0FLQ01.6T       | 07945816038 | •                | •   |
| 2          | 500            | 10                       | 10 | FLQ002         | FLQ 2A          | 0FLQ002.T       | 07945816041 | •                | •   |
| 2 ¼        | 500            | 10                       | 10 | FLQ2.25        | FLQ 2-¼ A       | 0FLQ2.25T       | 07945816042 | •                | •   |
| 2 ½        | 500            | 10                       | 10 | FLQ02.5        | FLQ 2-½ A       | 0FLQ02.5T       | 07945816043 | •                | •   |
| 3          | 500            | 10                       | 10 | FLQ003         | FLQ 3A          | 0FLQ003.T       | 07945816047 | •                | •   |
| 3 ⅝        | 500            | 10                       | 10 | FLQ03.2        | FLQ 3-⅝ A       | 0FLQ03.2T       | 07945816049 | •                | •   |
| 3 ½        | 500            | 10                       | 10 | FLQ03.5        | FLQ 3-½ A       | 0FLQ03.5T       | 07945816051 | •                | •   |
| 4          | 500            | 10                       | 10 | FLQ004         | FLQ 4A          | 0FLQ004.T       | 07945816053 | •                | •   |
| 4 ½        | 500            | 10                       | 10 | FLQ04.5        | FLQ 4-½ A       | 0FLQ04.5T       | 07945816054 | •                | •   |
| 5          | 500            | 10                       | 10 | FLQ005         | FLQ 5A          | 0FLQ005.T       | 07945816055 | •                | •   |
| 5 ⅝        | 500            | 10                       | 10 | FLQ05.6        | FLQ 5-⅝ A       | 0FLQ05.6T       | 07945816056 | •                | •   |
| 6          | 500            | 10                       | 10 | FLQ006         | FLQ 6A          | 0FLQ006.T       | 07945816058 | •                | •   |
| 6 ¼        | 500            | 10                       | 10 | FLQ6.25        | FLQ 6-¼ A       | 0FLQ6.25T       | 07945816059 | •                | •   |
| 7          | 500            | 10                       | 10 | FLQ007         | FLQ 7A          | 0FLQ007.T       | 07945816061 | •                | •   |
| 8          | 500            | 10                       | 10 | FLQ008         | FLQ 8A          | 0FLQ008.T       | 07945816063 | •                | •   |
| 9          | 500            | 10                       | 10 | FLQ009         | FLQ 9A          | 0FLQ009.T       | 07945816064 | •                | •   |
| 10         | 500            | 10                       | 10 | FLQ010         | FLQ 10A         | 0FLQ010.T       | 07945816065 | •                | •   |
| 12         | 500            | 10                       | 10 | FLQ012         | FLQ 12A         | 0FLQ012.T       | 07945816066 | •                | •   |
| 14         | 500            | 10                       | 10 | FLQ014         | FLQ 14A         | 0FLQ014.T       | 07945816067 | •                | •   |
| 15         | 500            | 10                       | 10 | FLQ015         | FLQ 15A         | 0FLQ015.T       | 07945816068 | •                | •   |
| 20         | 500            | 10                       | 10 | FLQ020         | FLQ 20A         | 0FLQ020.T       | 07945816071 | •                | •   |
| 25         | 500            | 10                       | 10 | FLQ025         | FLQ 25A         | 0FLQ025.T       | 07945816072 | •                | •   |
| 30         | 500            | 10                       | 10 | FLQ030         | FLQ 30A         | 0FLQ030.T       | 07945816073 | •                | •   |

### Ordering Information

#### PCB Mount 1-Tab Version

| AMP RATING | VOLTAGE (V AC) | INTERRUPTING RATING (KA) |    | CATALOG NUMBER | PRODUCT MARKING | ORDERING NUMBER | UPC         | AGENCY APPROVALS |     |
|------------|----------------|--------------------------|----|----------------|-----------------|-----------------|-------------|------------------|-----|
|            |                | AC                       | DC |                |                 |                 |             | UL               | CSA |
| 1 ⅝        | 500            | 10                       | 10 | FLQ.150R       | FLQ 1 ⅝ A-R     | 0FLQ.150HXR     | 07945894950 | •                | •   |
| ⅝          | 500            | 10                       | 10 | FLQ.187R       | FLQ ⅝ A-R       | 0FLQ.187HXR     | 07945894951 | •                | •   |
| ¾          | 500            | 10                       | 10 | FLQ.200R       | FLQ ¾ A-R       | 0FLQ.200HXR     | 07945894952 | •                | •   |
| ¼          | 500            | 10                       | 10 | FLQ.250R       | FLQ ¼ A-R       | 0FLQ.250HXR     | 07945894953 | •                | •   |
| ⅝          | 500            | 10                       | 10 | FLQ.300R       | FLQ ⅝ A-R       | 0FLQ.300HXR     | 07945894954 | •                | •   |
| ⅝          | 500            | 10                       | 10 | FLQ.400R       | FLQ ⅝ A-R       | 0FLQ.400HXR     | 07945894955 | •                | •   |
| ½          | 500            | 10                       | 10 | FLQ.500R       | FLQ ½ A-R       | 0FLQ.500HXR     | 07945894956 | •                | •   |
| ⅝          | 500            | 10                       | 10 | FLQ.600R       | FLQ ⅝ A-R       | 0FLQ.600HXR     | 07945894957 | •                | •   |
| ⅝          | 500            | 10                       | 10 | FLQ.800R       | FLQ ⅝ A-R       | 0FLQ.800HXR     | 07945894958 | •                | •   |

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## FLQ Series

### Ordering Information

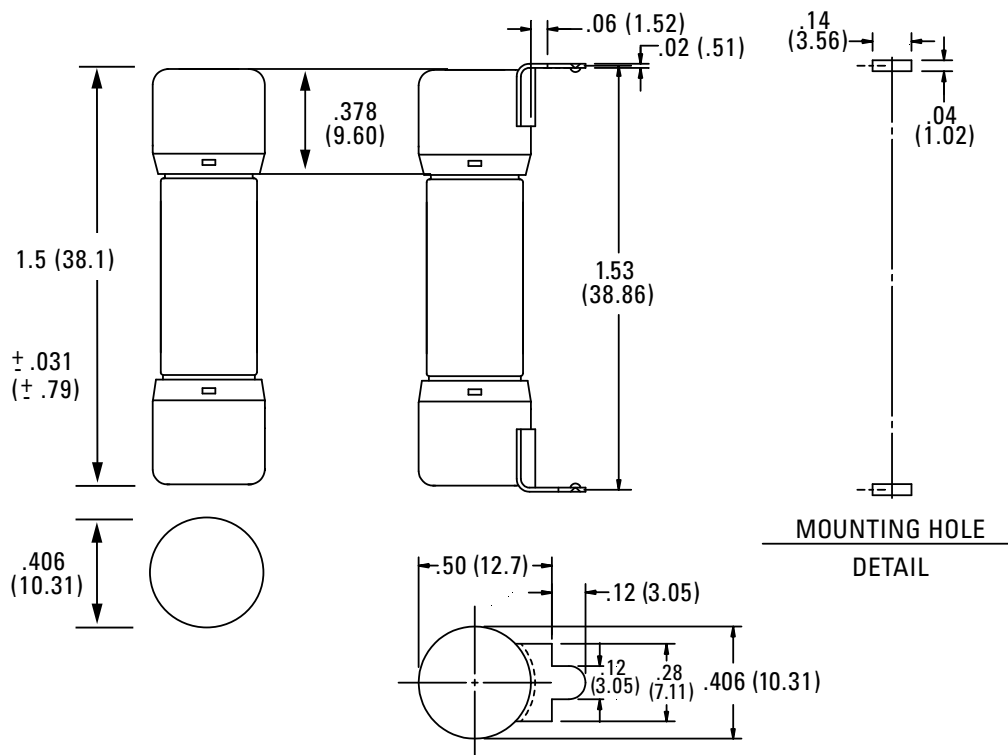
#### PCB Mount 1-Tab Version

| AMP RATING | VOLTAGE (V AC) | INTERRUPTING RATING (KA) |    | CATALOG NUMBER | PRODUCT MARKING | ORDERING NUMBER | UPC         | AGENCY APPROVALS |     |
|------------|----------------|--------------------------|----|----------------|-----------------|-----------------|-------------|------------------|-----|
|            |                | AC                       | DC |                |                 |                 |             | UL               | CSA |
| 1          | 500            | 10                       | 10 | FLQ001R        | FLQ 1A-R        | OFLQ001.HXR     | 07945894959 | •                | •   |
| 1 1/8      | 500            | 10                       | 10 | FLQ1.12R       | FLQ 1 1/8A-R    | OFLQ1.12HXR     | 07945894981 | •                | •   |
| 1 1/4      | 500            | 10                       | 10 | FLQ1.25R       | FLQ 1 1/4A-R    | OFLQ1.25HXR     | 07945894982 | •                | •   |
| 1 1/2      | 500            | 10                       | 10 | FLQ01.5R       | FLQ 1 1/2A-R    | OFLQ01.5HXR     | 07945894967 | •                | •   |
| 1 5/10     | 500            | 10                       | 10 | FLQ01.6R       | FLQ 1 5/10A-R   | OFLQ01.6HXR     | 07945894968 | •                | •   |
| 2          | 500            | 10                       | 10 | FLQ002R        | FLQ 2A-R        | OFLQ002.HXR     | 07945894960 | •                | •   |
| 2 1/4      | 500            | 10                       | 10 | FLQ2.25R       | FLQ 2 1/4A-R    | OFLQ2.25HXR     | 07945894983 | •                | •   |
| 2 1/2      | 500            | 10                       | 10 | FLQ02.5R       | FLQ 2 1/2A-R    | OFLQ02.5HXR     | 07945894973 | •                | •   |
| 3          | 500            | 10                       | 10 | FLQ003R        | FLQ 3A-R        | OFLQ003.HXR     | 07945894961 | •                | •   |
| 3 3/10     | 500            | 10                       | 10 | FLQ03.2R       | FLQ 3 3/10A-R   | OFLQ03.2HXR     | 07945894976 | •                | •   |
| 3 1/2      | 500            | 10                       | 10 | FLQ03.5R       | FLQ 3 1/2A-R    | OFLQ03.5HXR     | 07945894977 | •                | •   |
| 4          | 500            | 10                       | 10 | FLQ004R        | FLQ 4A-R        | OFLQ004.HXR     | 07945894962 | •                | •   |
| 4 1/2      | 500            | 10                       | 10 | FLQ04.5R       | FLQ 4 1/2A-R    | OFLQ04.5HXR     | 07945894979 | •                | •   |
| 5          | 500            | 10                       | 10 | FLQ005R        | FLQ 5A-R        | OFLQ005.HXR     | 07945894963 | •                | •   |
| 5 5/10     | 500            | 10                       | 10 | FLQ05.6R       | FLQ 5 5/10A-R   | OFLQ05.6HXR     | 07945894980 | •                | •   |
| 6 1/4      | 500            | 10                       | 10 | FLQ6.25R       | FLQ 6 1/4A-R    | OFLQ6.25HXR     | 07945894984 | •                | •   |
| 7          | 500            | 10                       | 10 | FLQ007R        | FLQ 7A-R        | OFLQ007.HXR     | 07945894964 | •                | •   |
| 8          | 500            | 10                       | 10 | FLQ008R        | FLQ 8A-R        | OFLQ008.HXR     | 07945894965 | •                | •   |
| 9          | 500            | 10                       | 10 | FLQ009R        | FLQ 9A-R        | OFLQ009.HXR     | 07945894966 | •                | •   |
| 10         | 500            | 10                       | 10 | FLQ010R        | FLQ 10A-R       | OFLQ010.HXR     | 07945894969 | •                | •   |
| 12         | 500            | 10                       | 10 | FLQ012R        | FLQ 12A-R       | OFLQ012.HXR     | 07945807768 | •                | •   |
| 14         | 500            | 10                       | 10 | FLQ014R        | FLQ 14A-R       | OFLQ014.HXR     | 07945894971 | •                | •   |
| 15         | 500            | 10                       | 10 | FLQ015R        | FLQ 15A-R       | OFLQ015.HXR     | 07945894972 | •                | •   |
| 20         | 500            | 10                       | 10 | FLQ020R        | FLQ 20A-R       | OFLQ020.HXR     | 07945894974 | •                | •   |
| 25         | 500            | 10                       | 10 | FLQ025R        | FLQ 25A-R       | OFLQ025.HXR     | 07945894975 | •                | •   |
| 30         | 500            | 10                       | 10 | FLQ030R        | FLQ 30A-R       | OFLQ030.HXR     | 07945894978 | •                | •   |

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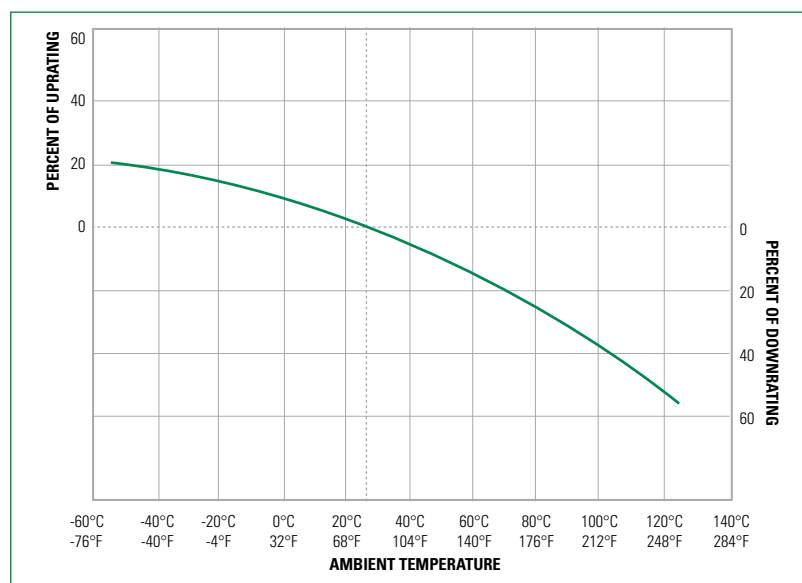
## FLQ Series

### Dimensions Millimeters (inches)



### Temperature Derating Curve

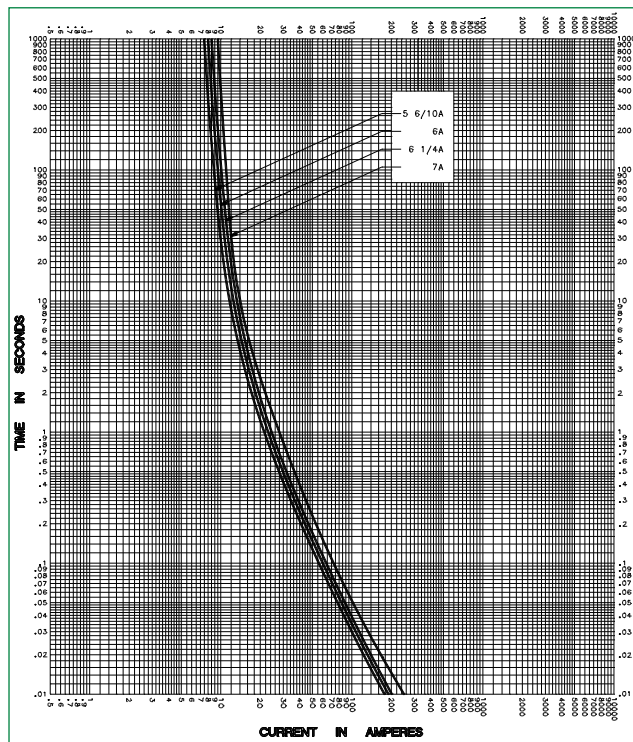
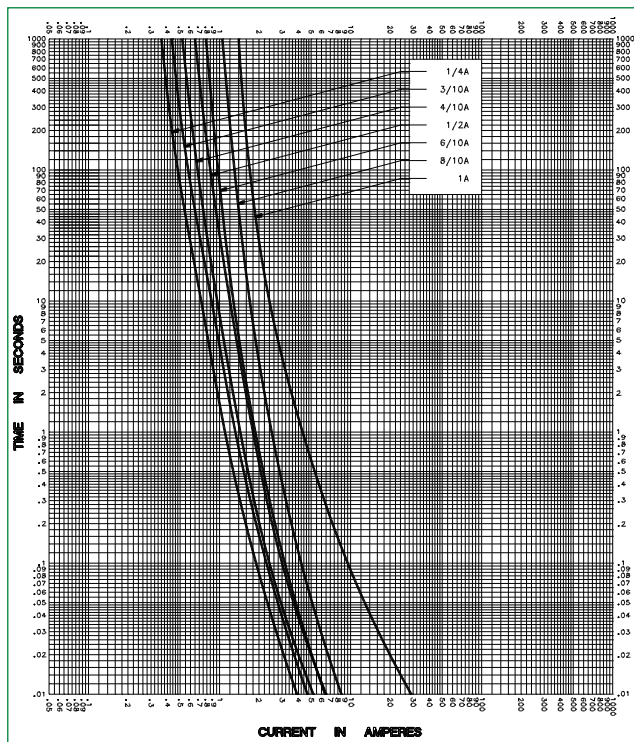
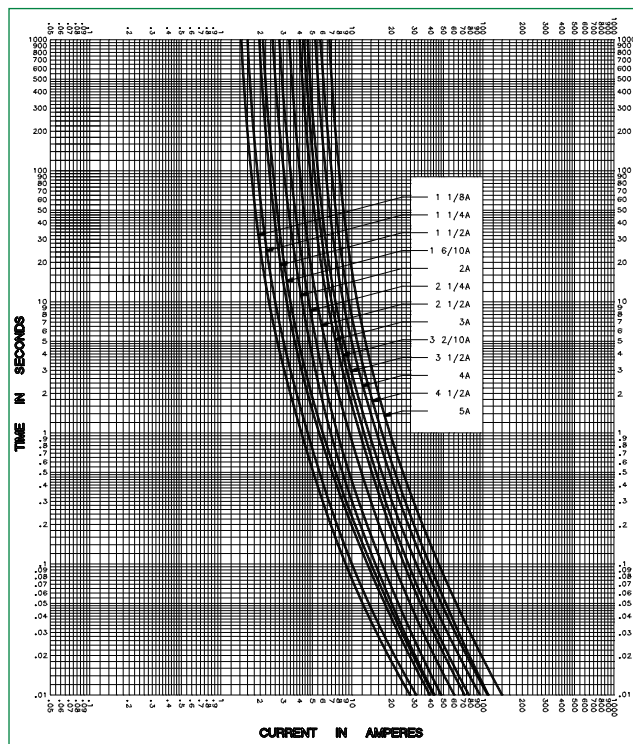
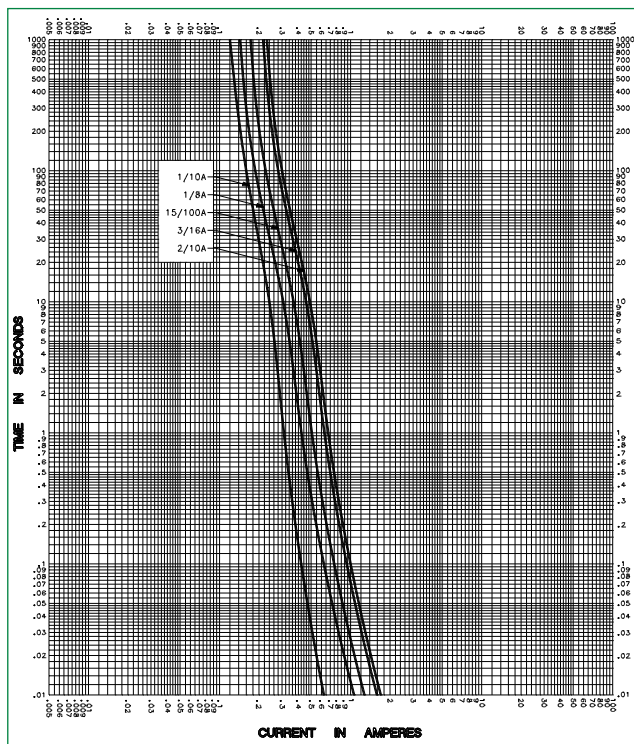
Ambient temperature: temperature of air immediately surrounding fuse



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## FLQ Series

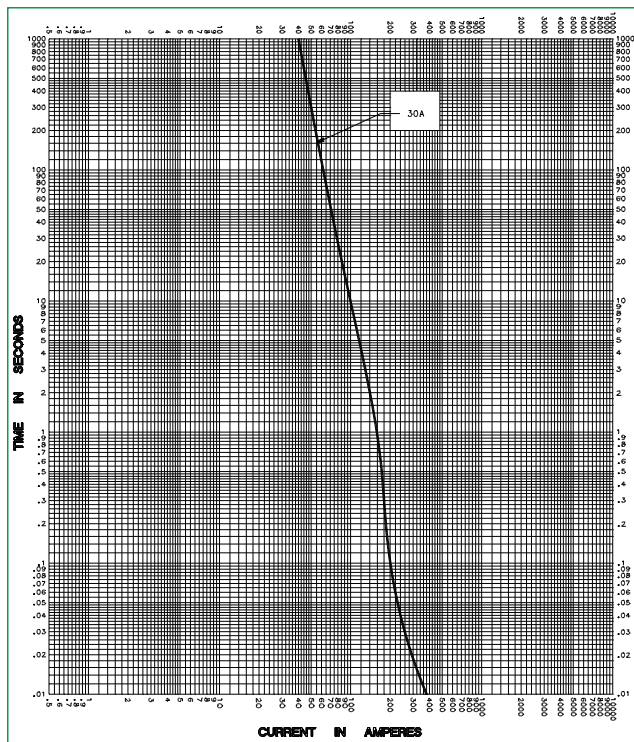
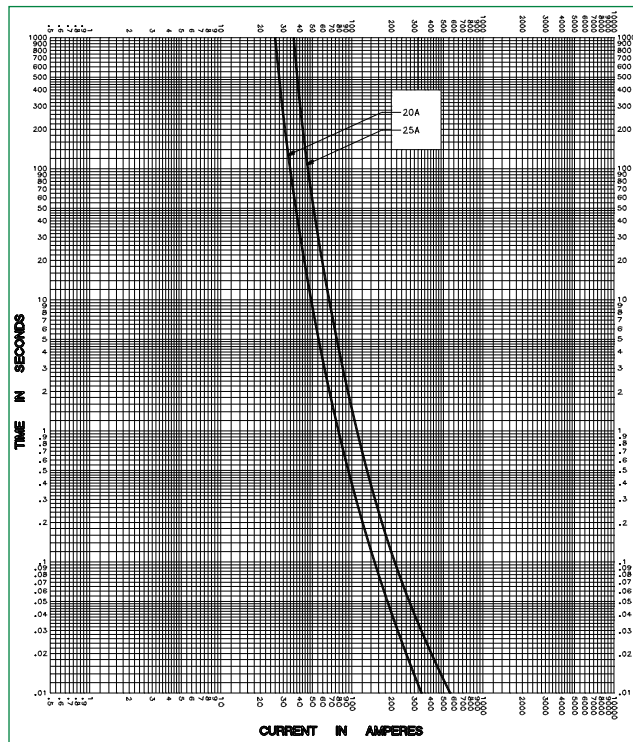
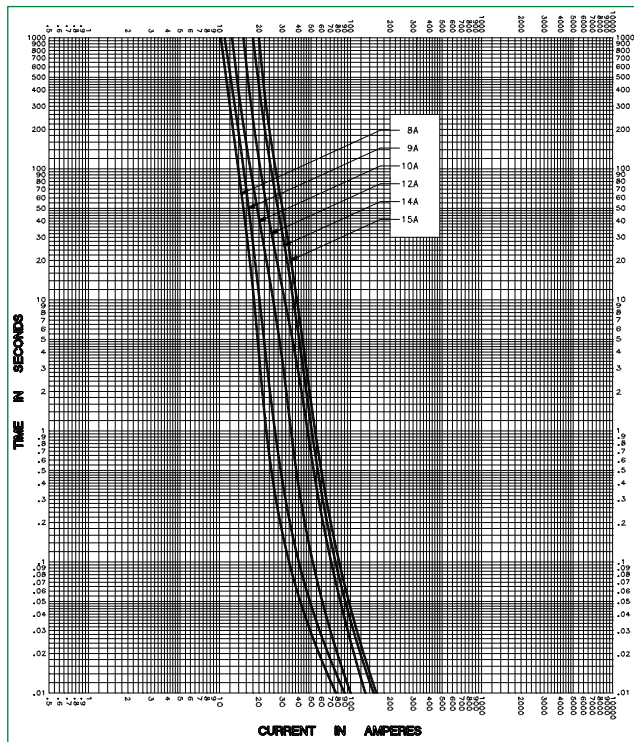
### Time Current Curves



# Midget 10x38mm Fuses

## FLQ Series

### Time Current Curves



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