



**THE DATASHEET OF
KLKD015.HXR**



Midget 10x38mm Fuses

FLQ Series

500 V ac • Time-Delay • 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 |
|------------------------------|---|
| 10x38 mm size | Common dimensions used in a variety of applications |
| Time-delay | Allows for temporary current surge for a short period of time without blowing |
| POWR-GARD® technology | Ensures quality backup overcurrent protection |

Applications

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

Midget 10x38mm Fuses

FLQ Series

Specifications

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

Certification & Compliance

| | |
|-------------|--|
| UL | UL Listed (File: E10480) |
| CSA | CSA Certified (File: LR29862) |
| CE | EU_DOC-FLQ_210701 |
| RoHS | 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 | • | • |
| $\frac{1}{4}$ | 500 | 10 | 10 | FLQ.150 | FLQ $\frac{1}{4}$ A | 0FLQ.150T | 07945816013 | • | • |
| $\frac{3}{16}$ | 500 | 10 | 10 | FLQ.187 | FLQ $\frac{3}{16}$ A | 0FLQ.187T | 07945816017 | • | • |
| $\frac{1}{4}$ | 500 | 10 | 10 | FLQ.200 | FLQ $\frac{1}{4}$ A | 0FLQ.200T | 07945816018 | • | • |
| $\frac{3}{8}$ | 500 | 10 | 10 | FLQ.250 | FLQ $\frac{3}{8}$ A | 0FLQ.250T | 07945816019 | • | • |
| $\frac{1}{2}$ | 500 | 10 | 10 | FLQ.300 | FLQ $\frac{1}{2}$ A | 0FLQ.300T | 07945800089 | • | • |
| $\frac{3}{4}$ | 500 | 10 | 10 | FLQ.400 | FLQ $\frac{3}{4}$ A | 0FLQ.400T | 07945816023 | • | • |
| 1 | 500 | 10 | 10 | FLQ.500 | FLQ 1A | 0FLQ.500T | 07945816024 | • | • |
| $1\frac{1}{4}$ | 500 | 10 | 10 | FLQ.600 | FLQ $1\frac{1}{4}$ A | 0FLQ.600T | 07945800090 | • | • |
| $1\frac{1}{2}$ | 500 | 10 | 10 | FLQ.800 | FLQ $1\frac{1}{2}$ A | 0FLQ.800T | 07945800091 | • | • |
| 2 | 500 | 10 | 10 | FLQ001 | FLQ 2A | 0FLQ001.T | 07945816031 | • | • |
| $2\frac{1}{2}$ | 500 | 10 | 10 | FLQ1.12 | FLQ $2\frac{1}{2}$ A | 0FLQ1.12T | 07945816032 | • | • |
| 3 | 500 | 10 | 10 | FLQ1.25 | FLQ 3A | 0FLQ1.25T | 07945816034 | • | • |

Midget 10x38mm Fuses

FLQ Series

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 |
| 1 ½ | 500 | 10 | 10 | FLQ01.5 | FLQ 1-½A | OFLQ01.5T | 07945816037 | • | • |
| 1 ⅝ | 500 | 10 | 10 | FLQ01.6 | FLQ 1-⅝A | OFLQ01.6T | 07945816038 | • | • |
| 2 | 500 | 10 | 10 | FLQ002 | FLQ 2A | OFLQ002.T | 07945816041 | • | • |
| 2 ¼ | 500 | 10 | 10 | FLQ2.25 | FLQ 2-¼A | OFLQ2.25T | 07945816042 | • | • |
| 2 ½ | 500 | 10 | 10 | FLQ02.5 | FLQ 2-½A | OFLQ02.5T | 07945816043 | • | • |
| 3 | 500 | 10 | 10 | FLQ003 | FLQ 3A | OFLQ003.T | 07945816047 | • | • |
| 3 ⅝ | 500 | 10 | 10 | FLQ03.2 | FLQ 3-⅝A | OFLQ03.2T | 07945816049 | • | • |
| 3 ½ | 500 | 10 | 10 | FLQ03.5 | FLQ 3-½A | OFLQ03.5T | 07945816051 | • | • |
| 4 | 500 | 10 | 10 | FLQ004 | FLQ 4A | OFLQ004.T | 07945816053 | • | • |
| 4 ½ | 500 | 10 | 10 | FLQ04.5 | FLQ 4-½A | OFLQ04.5T | 07945816054 | • | • |
| 5 | 500 | 10 | 10 | FLQ005 | FLQ 5A | OFLQ005.T | 07945816055 | • | • |
| 5 ⅝ | 500 | 10 | 10 | FLQ05.6 | FLQ 5-⅝A | OFLQ05.6T | 07945816056 | • | • |
| 6 | 500 | 10 | 10 | FLQ006 | FLQ 6A | OFLQ006.T | 07945816058 | • | • |
| 6 ¼ | 500 | 10 | 10 | FLQ6.25 | FLQ 6-¼A | OFLQ6.25T | 07945816059 | • | • |
| 7 | 500 | 10 | 10 | FLQ007 | FLQ 7A | OFLQ007.T | 07945816061 | • | • |
| 8 | 500 | 10 | 10 | FLQ008 | FLQ 8A | OFLQ008.T | 07945816063 | • | • |
| 9 | 500 | 10 | 10 | FLQ009 | FLQ 9A | OFLQ009.T | 07945816064 | • | • |
| 10 | 500 | 10 | 10 | FLQ010 | FLQ 10A | OFLQ010.T | 07945816065 | • | • |
| 12 | 500 | 10 | 10 | FLQ012 | FLQ 12A | OFLQ012.T | 07945816066 | • | • |
| 14 | 500 | 10 | 10 | FLQ014 | FLQ 14A | OFLQ014.T | 07945816067 | • | • |
| 15 | 500 | 10 | 10 | FLQ015 | FLQ 15A | OFLQ015.T | 07945816068 | • | • |
| 20 | 500 | 10 | 10 | FLQ020 | FLQ 20A | OFLQ020.T | 07945816071 | • | • |
| 25 | 500 | 10 | 10 | FLQ025 | FLQ 25A | OFLQ025.T | 07945816072 | • | • |
| 30 | 500 | 10 | 10 | FLQ030 | FLQ 30A | OFLQ030.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 ⁵ / ₁₀₀ | 500 | 10 | 10 | FLQ.150R | FLQ 1 ⁵ / ₁₀₀ A-R | OFLQ.150HXR | 07945894950 | • | • |
| ⅓ ₁₆ | 500 | 10 | 10 | FLQ.187R | FLQ ⅓ ₁₆ A-R | OFLQ.187HXR | 07945894951 | • | • |
| ⅓ ₁₀ | 500 | 10 | 10 | FLQ.200R | FLQ ⅓ ₁₀ A-R | OFLQ.200HXR | 07945894952 | • | • |
| ¼ | 500 | 10 | 10 | FLQ.250R | FLQ ¼A-R | OFLQ.250HXR | 07945894953 | • | • |
| ⅓ ₁₀ | 500 | 10 | 10 | FLQ.300R | FLQ ⅓ ₁₀ A-R | OFLQ.300HXR | 07945894954 | • | • |
| ⅓ ₁₀ | 500 | 10 | 10 | FLQ.400R | FLQ ⅓ ₁₀ A-R | OFLQ.400HXR | 07945894955 | • | • |
| ½ | 500 | 10 | 10 | FLQ.500R | FLQ ½A-R | OFLQ.500HXR | 07945894956 | • | • |
| ⅔ ₁₀ | 500 | 10 | 10 | FLQ.600R | FLQ ⅔ ₁₀ A-R | OFLQ.600HXR | 07945894957 | • | • |
| ⅔ ₁₀ | 500 | 10 | 10 | FLQ.800R | FLQ ⅔ ₁₀ A-R | OFLQ.800HXR | 07945894958 | • | • |

Midget 10x38mm Fuses

FLQ Series

Ordering Information

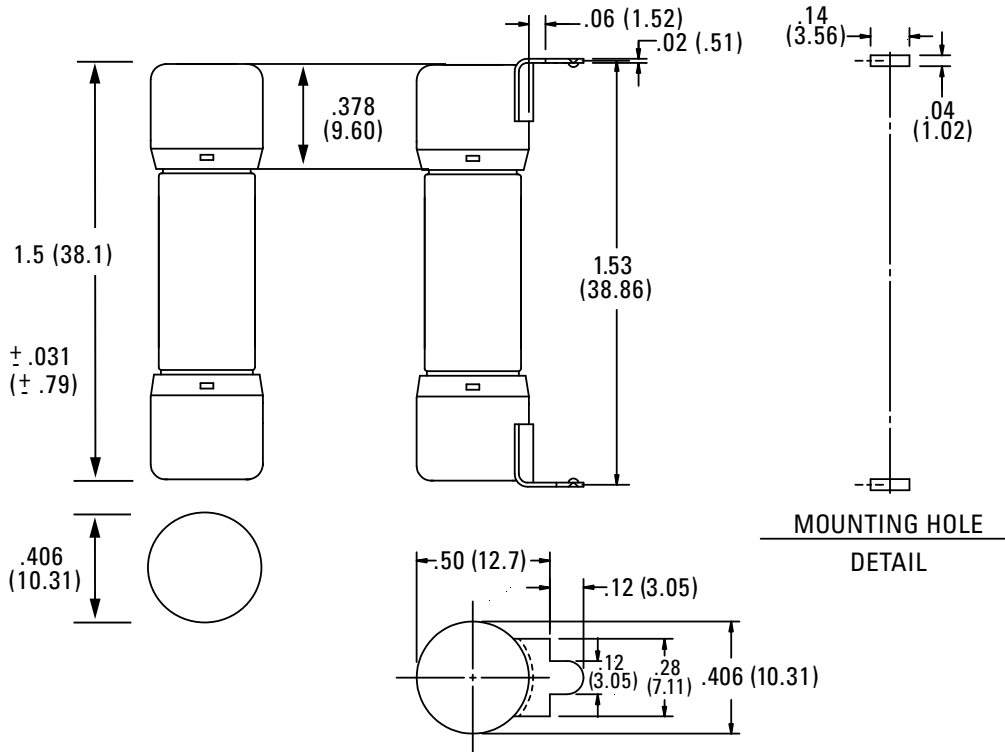
PCB Mount 1-Tab Version

| 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 3/10 | 500 | 10 | 10 | FLQ01.6R | FLQ 1 3/10A-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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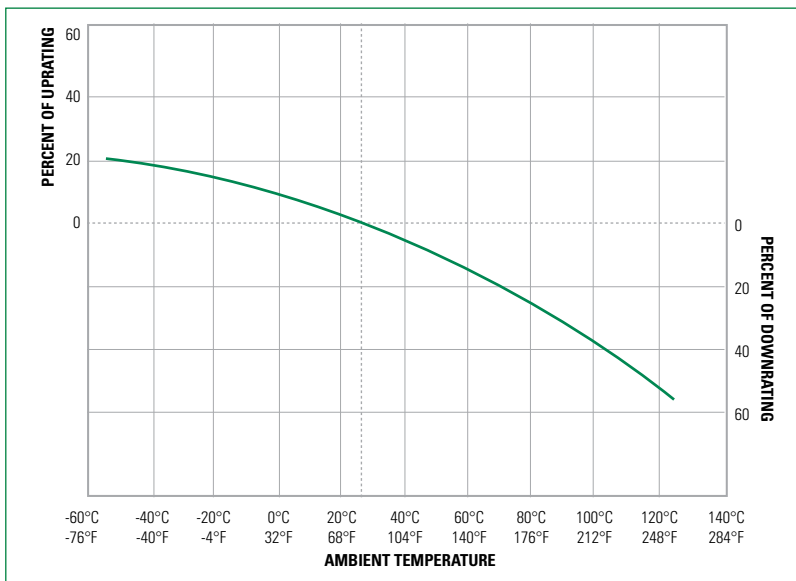
FLQ Series

Dimensions Millimeters (inches)



Temperature Derating Curve

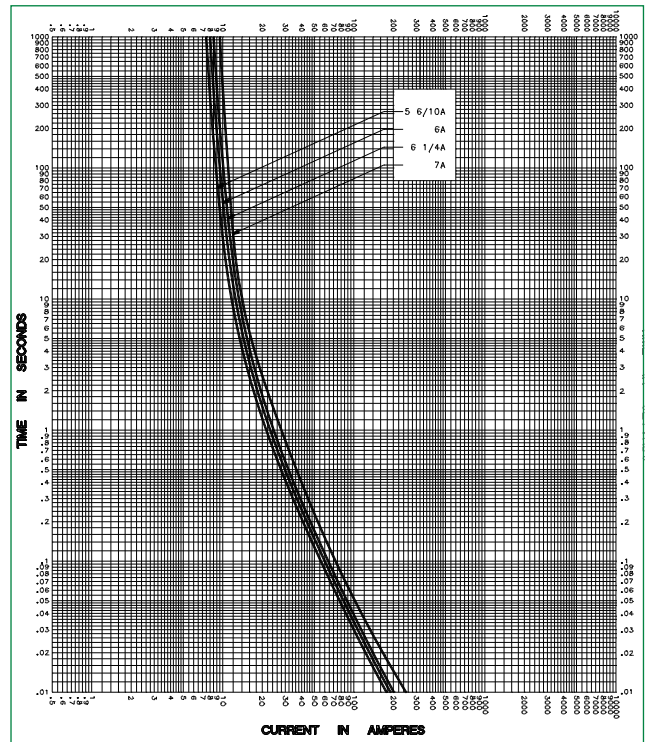
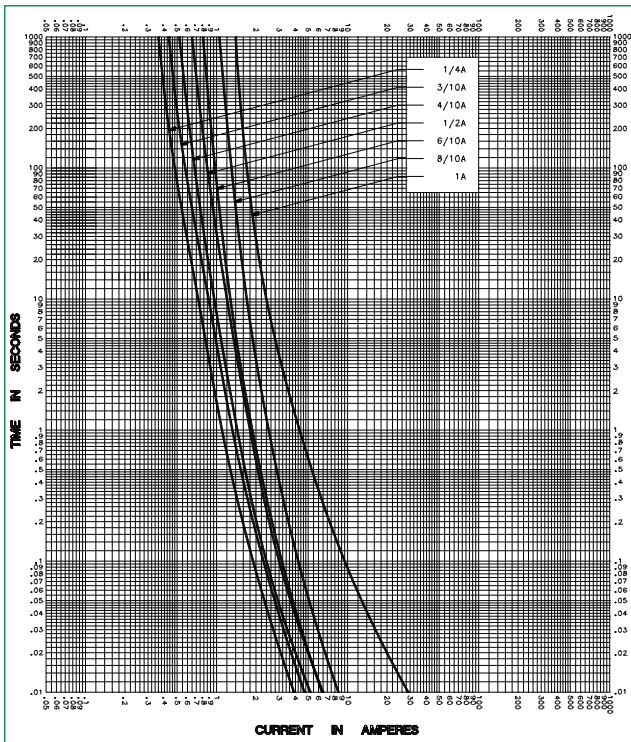
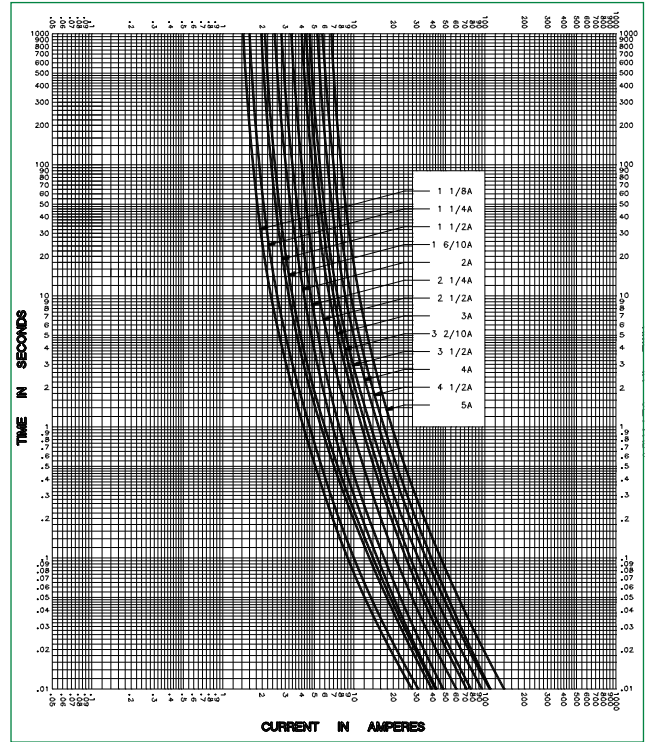
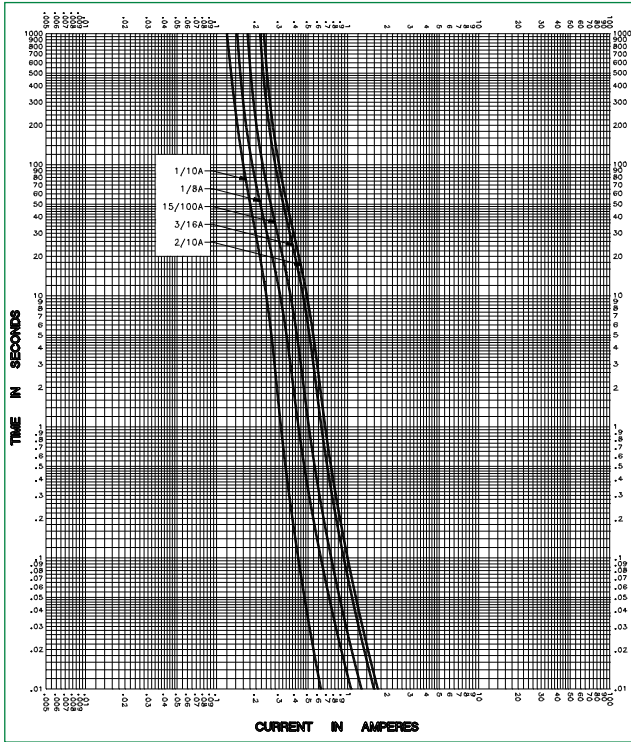
Ambient temperature: temperature of air immediately surrounding fuse



Midget 10x38mm Fuses

FLQ Series

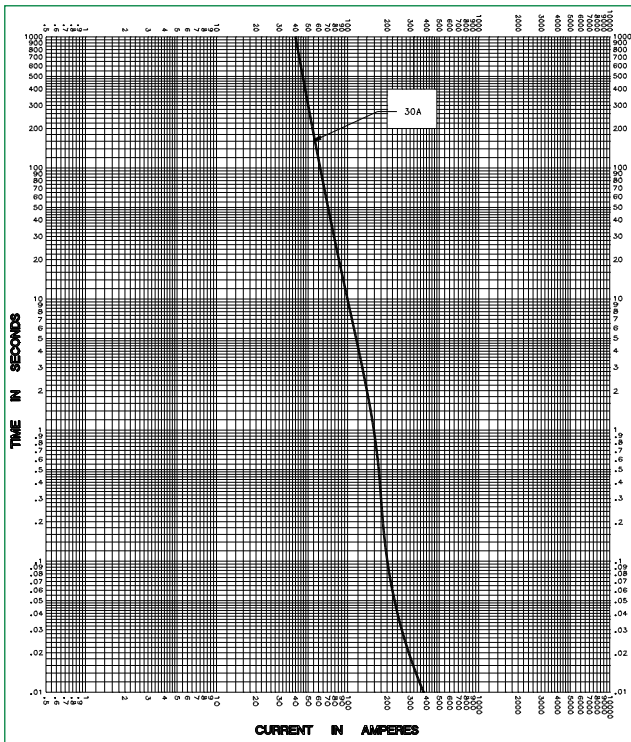
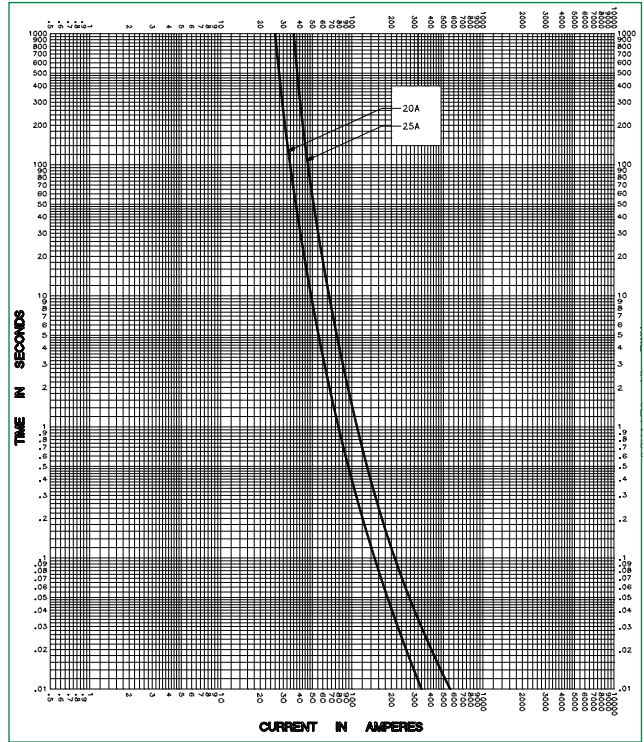
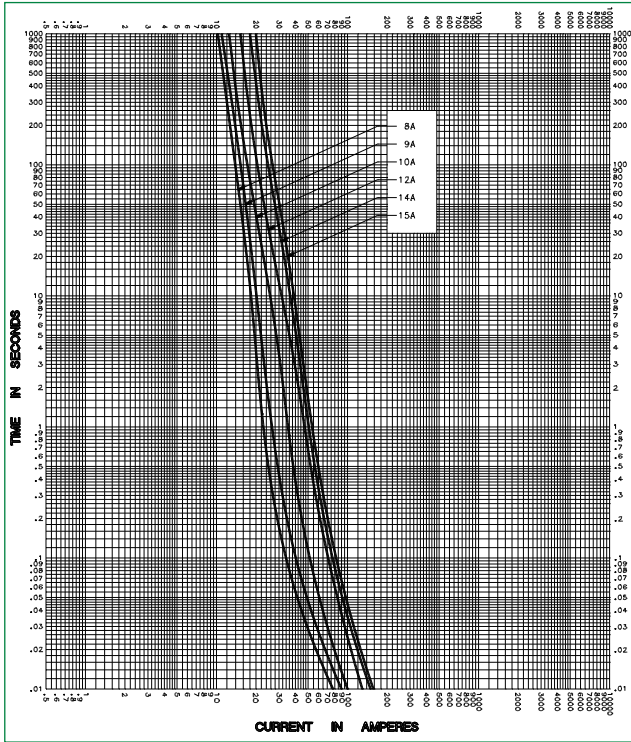
Time Current Curves



Midget 10x38mm Fuses

FLQ Series

Time Current Curves



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-  Cost Control Management
-  Shortage Management
-  Alternative Solution
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