

Supplemental Fuses

FLM Series

250 V ac • 10x38 (Midget) • Time-Delay • 1/10–30A



Description

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

Features & Benefits

| FEATURES | BENEFITS |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------|
| 10x38 mm dimensions | Common dimensions used in a variety of applications |
| Fiber body | Cost effective materials provide customers a lower cost alternative for supplemental circuit protection |
| Time-delay blowing characteristics | Overload protection for inductive load applications |

Applications

- Motor protection
- Transformer protection

Specifications

| | |
|-----------------------------|---------------------------------------------|
| Voltage Rating | Ac: 250 V Dc: 125 V |
| Interrupting Ratings | Ac: 10,000 A Dc: 10,000 A Self Certified |
| Ampere Range | 1/10–30A |
| Applicable Standards | UL 248-14 |
| Environmental | REACH, RoHS |
| Material | Body: Paper Cap: Nickel plated bronze |
| Country of Origin | Mexico |
| Fuse Weight | .010 lbs (4.54g) |

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Certification & Compliance

| | |
|------------|-------------------------------|
| UL | UL Listed (File: E10480) |
| CSA | CSA Certified (File: LR29862) |
| CE | EU_DOC-FLM_210323 |

Accessories

L60030M series fuse block

LEB/LEX series inline fuse holder

LPSM Touch-safe series fuse holder

571/572 series panel mount fuse holder

Ordering Information

| AMPERE RATING | CATALOG NUMBER | PRODUCT MARKING | PACKING QUANTITY | ORDERING NUMBER | UPC CODE |
|---------------|----------------|-----------------|------------------|-----------------|-------------|
| 1/10 | FLM.100 | FLM 1/10A | 10 | OFLM.100T | 07945814011 |
| 15/100 | FLM.125 | FLM 15/100A | 10 | OFLM.125T | 07945814013 |
| 3/10 | FLM.200 | FLM 3/10A | 10 | OFLM.200T | 07945814018 |
| 1/4 | FLM.250 | FLM 1/4A | 10 | OFLM.250T | 07945814019 |
| 3/10 | FLM.300 | FLM 3/10A | 10 | OFLM.300T | 07945800083 |
| 3/10 | FLM.400 | FLM 3/10A | 10 | OFLM.400T | 07945814023 |
| 1/2 | FLM.500 | FLM 1/2A | 10 | OFLM.500T | 07945814024 |
| 3/10 | FLM.600 | FLM 3/10A | 10 | OFLM.600T | 07945800084 |
| 3/10 | FLM.800 | FLM 3/10A | 10 | OFLM.800T | 07945800085 |
| 1 | FLM001 | FLM 1A | 10 | OFLM001T | 07945814031 |
| 1-1/8 | FLM1.12 | FLM 1-1/8A | 10 | OFLM1.12T | 07945814032 |
| 1-1/4 | FLM1.25 | FLM 1-1/4A | 10 | OFLM1.25T | 07945814034 |
| 1-3/10 | FLM01.4 | FLM 1-3/10A | 10 | OFLM01.4T | 07945814036 |
| 1-1/2 | FLM01.5 | FLM 1-1/2A | 10 | OFLM01.5T | 07945814037 |
| 1-9/10 | FLM01.6 | FLM 1-9/10A | 10 | OFLM01.6T | 07945814038 |
| 1-8/10 | FLM01.8 | FLM 1-8/10A | 10 | OFLM01.8T | 07945814040 |
| 2 | FLM002 | FLM 2A | 10 | OFLM002T | 07945814041 |
| 2-1/4 | FLM2.25 | FLM 2-1/4A | 10 | OFLM2.25T | 07945814042 |
| 2-1/2 | FLM02.5 | FLM 2-1/2A | 10 | OFLM02.5T | 07945814043 |
| 2-9/10 | FLM02.8 | FLM 2-9/10A | 10 | OFLM02.8T | 07945814046 |
| 3 | FLM003 | FLM 3A | 10 | OFLM003T | 07945814047 |
| 3-3/10 | FLM03.2 | FLM 3-3/10A | 10 | OFLM03.2T | 07945814049 |
| 3-1/2 | FLM03.5 | FLM 3-1/2A | 10 | OFLM03.5T | 07945814051 |
| 4 | FLM004 | FLM 4A | 10 | OFLM004T | 07945814053 |
| 4-1/2 | FLM04.5 | FLM 4-1/2A | 10 | OFLM04.5T | 07945814054 |
| 5 | FLM005 | FLM 5A | 10 | OFLM005T | 07945814055 |
| 5-9/10 | FLM05.6 | FLM 5-9/10A | 10 | OFLM05.6T | 07945814056 |
| 6 | FLM006 | FLM 6A | 10 | OFLM006T | 07945814058 |
| 6-1/4 | FLM6.25 | FLM 6-1/4A | 10 | OFLM6.25T | 07945814059 |

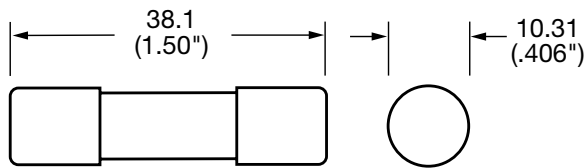
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Ordering Information (cont.)

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|---------------|----------------|-----------------|------------------|-----------------|-------------|
| 7 | FLM007 | FLM 7A | 10 | 0FLM007T | 07945814061 |
| 8 | FLM008 | FLM 8A | 10 | 0FLM008T | 07945814063 |
| 9 | FLM009 | FLM 9A | 10 | 0FLM009T | 07945814064 |
| 10 | FLM010 | FLM 10A | 10 | 0FLM010T | 07945814065 |
| 12 | FLM012 | FLM 12A | 10 | 0FLM012T | 07945814066 |
| 15 | FLM015 | FLM 15A | 10 | 0FLM015T | 07945814068 |
| 20 | FLM020 | FLM 20A | 10 | 0FLM020T | 07945814071 |
| 25 | FLM025 | FLM 25A | 10 | 0FLM025T | 07945814072 |
| 30 | FLM030 | FLM 30A | 10 | 0FLM030T | 07945814073 |

Dimensions



Electrical Specification - Agency Requirements

| AMPERAGE RATING | OPENING TIME | | |
|---------------------|----------------------------|----------------------------|----------------------------|
| | 100 % OF AMP RATING PER UL | 135 % OF AMP RATING PER UL | 200 % OF AMP RATING PER UL |
| $\frac{1}{10}$ -3 | Temperature Stabilization | 60 Minutes Max | 5 Seconds Minimum |
| $3\frac{3}{10}$ -30 | Temperature Stabilization | 60 Minutes Max | 12 Seconds Minimum |

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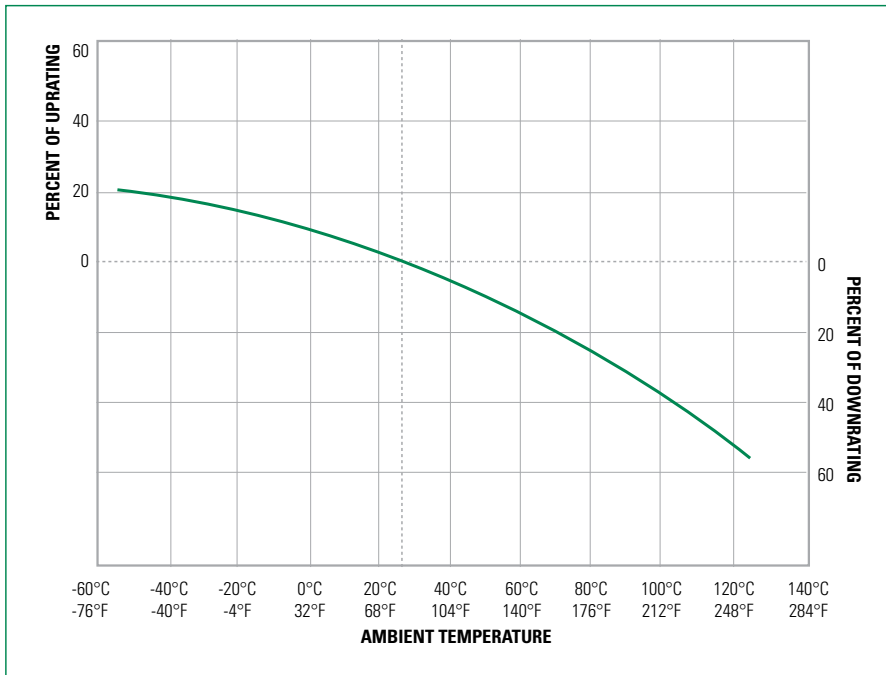
Electrical Specifications

| CATALOG NUMBER | VOLTAGE AC (V) | INTERRUPTING RATING (A) | NOMINAL COLD RESISTANCE (OHMS) | AGENCY APPROVALS | | | |
|----------------|----------------|-------------------------|--------------------------------|------------------|-----|-----|----|
| | | | | UL | CSA | QPL | CE |
| FLM.100 | 250 | 10,000 | 188.0 | • | • | • | • |
| FLM.125 | 250 | 10,000 | 87.00 | • | • | • | • |
| FLM.200 | 250 | 10,000 | 35.10 | • | • | • | • |
| FLM.250 | 250 | 10,000 | 16.82 | • | • | • | • |
| FLM.300 | 250 | 10,000 | 6.739 | • | • | • | • |
| FLM.400 | 250 | 10,000 | 5.413 | • | • | • | • |
| FLM.500 | 250 | 10,000 | 3.790 | • | • | • | • |
| FLM.600 | 250 | 10,000 | 2.050 | • | • | • | • |
| FLM.800 | 250 | 10,000 | 1.024 | • | • | • | • |
| FLM001 | 250 | 10,000 | 1.024 | • | • | • | • |
| FLM1.12 | 250 | 10,000 | .6231 | • | • | • | • |
| FLM1.25 | 250 | 10,000 | .6231 | • | • | • | • |
| FLM01.4 | 250 | 10,000 | .3950 | • | • | • | • |
| FLM01.5 | 250 | 10,000 | .3390 | • | • | • | • |
| FLM01.6 | 250 | 10,000 | .2860 | • | • | • | • |
| FLM01.8 | 250 | 10,000 | .2530 | • | • | • | • |
| FLM002 | 250 | 10,000 | .2191 | • | • | • | • |
| FLM2.25 | 250 | 10,000 | .1840 | • | • | • | • |
| FLM02.5 | 250 | 10,000 | .1620 | • | • | • | • |
| FLM02.8 | 250 | 10,000 | .1250 | • | • | • | • |
| FLM003 | 250 | 10,000 | .1020 | • | • | • | • |
| FLM03.2 | 250 | 10,000 | .0904 | • | • | • | • |
| FLM03.5 | 250 | 10,000 | .0735 | • | • | • | • |
| FLM004 | 250 | 10,000 | .0700 | • | • | • | • |
| FLM04.5 | 250 | 10,000 | .0561 | • | • | • | • |
| FLM005 | 250 | 10,000 | .0413 | • | • | • | • |
| FLM05.6 | 250 | 10,000 | .0326 | • | • | • | • |
| FLM006 | 250 | 10,000 | .0280 | • | • | • | • |
| FLM6.25 | 250 | 10,000 | .0277 | • | • | • | • |
| FLM007 | 250 | 10,000 | .0213 | • | • | • | • |
| FLM008 | 250 | 10,000 | .0124 | • | • | • | • |
| FLM009 | 250 | 10,000 | .0106 | • | • | • | • |
| FLM010 | 250 | 10,000 | .0090 | • | • | • | • |
| FLM012 | 250 | 10,000 | .0069 | • | • | • | • |
| FLM015 | 250 | 10,000 | .0053 | • | • | • | • |
| FLM020 | 250 | 10,000 | .0038 | • | • | • | • |
| FLM025 | 250 | 10,000 | .0027 | • | • | • | • |
| FLM030 | 250 | 10,000 | .0022 | • | • | • | • |

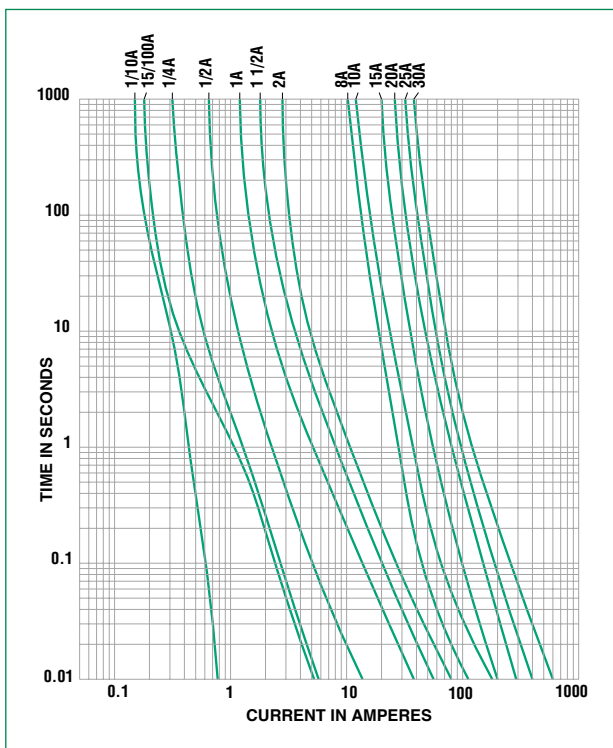
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Temperature Derating Curve (Temperature of Air Immediately Surrounding Fuse)



Time Current Curves



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