

# Class CC Fuses

## KLKR Series

600 V ac • 300 V dc • Fast-Acting • 1/10–30 A



### Description

The KLKR Series fast-acting fuses are designed for general-purpose branch circuit protection. Their compact size, fast-acting overload response, and current-limiting design make them ideal for use in OEM equipment and control panels. They are widely used in lighting circuits and control transformer circuits where a fast overload response is required. These KLKR Series Class CC fuses have rejection features that prevent substitution of lower rated fuses. Due to their compact size, these fuses provide superior branch circuit protection in a fraction of the space required by other fuse classes. The KLKR Series fuses comply with UL and CSA standards.

### Features & Benefits

| FEATURES                    | BENEFITS                                                                                                   |
|-----------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Fast-acting</b>          | Provides protection for equipment requiring fast overload protection                                       |
| <b>Current-limiting</b>     | Reduces damage caused by heating and magnetic effects of short-circuit currents                            |
| <b>Rejection capability</b> | Prevents use of fuses with lower interrupting ratings or voltage when used with corresponding fuse holders |
| <b>200,000 AIR</b>          | Smallest 600 V, 200,000 A fuse approved for branch circuit protection                                      |

### Applications

- Control circuits
- General loads
- Branch circuit protection
- Solid-state components

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### Specifications

|                             |                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------|
| <b>Voltage Rating</b>       | Ac: 600 V<br>Dc: 300 V                                                           |
| <b>Amperage Range</b>       | $\frac{1}{10}$ –30 A                                                             |
| <b>Interrupting Rating</b>  | Ac: 200 kA rms symmetrical<br>Dc: 20 kA Littelfuse self-certified                |
| <b>Material</b>             | Body: melamine<br>Caps: nickel-plated bronze                                     |
| <b>Fuse Weight</b>          | $\frac{1}{10}$ –1 A: .030 lb (13.61g)<br>1 $\frac{1}{2}$ –30 A: .034 lb (15.42g) |
| <b>Applicable Standards</b> | UL 248-4, Class CC                                                               |
| <b>Environmental</b>        | RoHS Compliant                                                                   |
| <b>Country of Origin</b>    | Mexico                                                                           |

### Certification & Compliance

|             |                                                      |
|-------------|------------------------------------------------------|
| <b>UL</b>   | UL Listed: (File: E81895)                            |
| <b>CSA</b>  | CSA Certified: (File: LR29862)                       |
| <b>CE</b>   | Declaration of Conformity: KLKR_210128_1             |
| <b>RoHS</b> | RoHS 2 Directive 2011/65/EU; Directive (EU) 2015/863 |

### Accessories

L60030C series  
LPSC/LFPSC Touch-Safe series

### Ordering Information

| AMPERE          | CATALOG NUMBER | PRODUCT MARKING        | PACK QUANTITY | ORDERING NUMBER | UPC         |
|-----------------|----------------|------------------------|---------------|-----------------|-------------|
| $\frac{1}{10}$  | KLKR.100       | KLKR $\frac{1}{10}$ A  | 10            | KLKR.100T       | 07945826011 |
| $\frac{1}{8}$   | KLKR.125       | KLKR $\frac{1}{8}$ A   | 10            | KLKR.125T       | 07945826012 |
| $\frac{3}{10}$  | KLKR.200       | KLKR $\frac{3}{10}$ A  | 10            | KLKR.200T       | 07945826018 |
| $\frac{1}{4}$   | KLKR.250       | KLKR $\frac{1}{4}$ A   | 10            | KLKR.250T       | 07945826019 |
| $\frac{3}{10}$  | KLKR.300       | KLKR $\frac{3}{10}$ A  | 10            | KLKR.300T       | 07945826020 |
| $\frac{1}{2}$   | KLKR.500       | KLKR $\frac{1}{2}$ A   | 10            | KLKR.500T       | 07945826024 |
| $\frac{3}{4}$   | KLKR.750       | KLKR $\frac{3}{4}$ A   | 10            | KLKR.750T       | 07945826029 |
| 1               | KLKR001        | KLKR 1A                | 10            | KLKR001.T       | 07945826031 |
| 1 $\frac{1}{2}$ | KLKR01.5       | KLKR 1 $\frac{1}{2}$ A | 10            | KLKR01.5T       | 07945826037 |
| 2               | KLKR002        | KLKR 2A                | 10            | KLKR002.T       | 07945826041 |
| 2 $\frac{1}{2}$ | KLKR02.5       | KLKR 2 $\frac{1}{2}$ A | 10            | KLKR02.5T       | 07945826042 |
| 3               | KLKR003        | KLKR 3A                | 10            | KLKR003.T       | 07945826047 |
| 3 $\frac{1}{2}$ | KLKR03.5       | KLKR 3 $\frac{1}{2}$ A | 10            | KLKR03.5T       | 07945826048 |
| 4               | KLKR004        | KLKR 4A                | 10            | KLKR004.T       | 07945826053 |
| 5               | KLKR005        | KLKR 5A                | 10            | KLKR005.T       | 07945826055 |
| 6               | KLKR006        | KLKR 6A                | 10            | KLKR006.T       | 07945826058 |

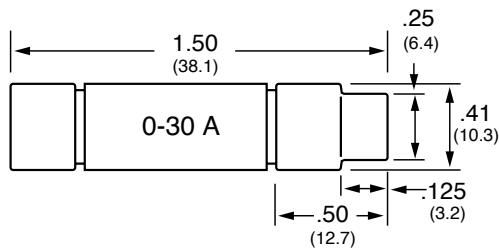
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| AMPERE | CATALOG NUMBER | PRODUCT MARKING | PACK QUANTITY | ORDERING NUMBER | UPC         |
|--------|----------------|-----------------|---------------|-----------------|-------------|
| 7      | KLKR007        | KLKR 7A         | 10            | KLKR007.T       | 07945826059 |
| 8      | KLKR008        | KLKR 8A         | 10            | KLKR008.T       | 07945826063 |
| 9      | KLKR009        | KLKR 9A         | 10            | KLKR009.T       | 07945826064 |
| 10     | KLKR010        | KLKR 10A        | 10            | KLKR010.T       | 07945826065 |
| 12     | KLKR012        | KLKR 12A        | 10            | KLKR012.T       | 07945826066 |
| 15     | KLKR015        | KLKR 15A        | 10            | KLKR015.T       | 07945826068 |
| 20     | KLKR020        | KLKR 20A        | 10            | KLKR020.T       | 07945826071 |
| 25     | KLKR025        | KLKR 25A        | 10            | KLKR025.T       | 07945826072 |
| 30     | KLKR030        | KLKR 30A        | 10            | KLKR030.T       | 07945826073 |

### Dimensions Inches (mm)



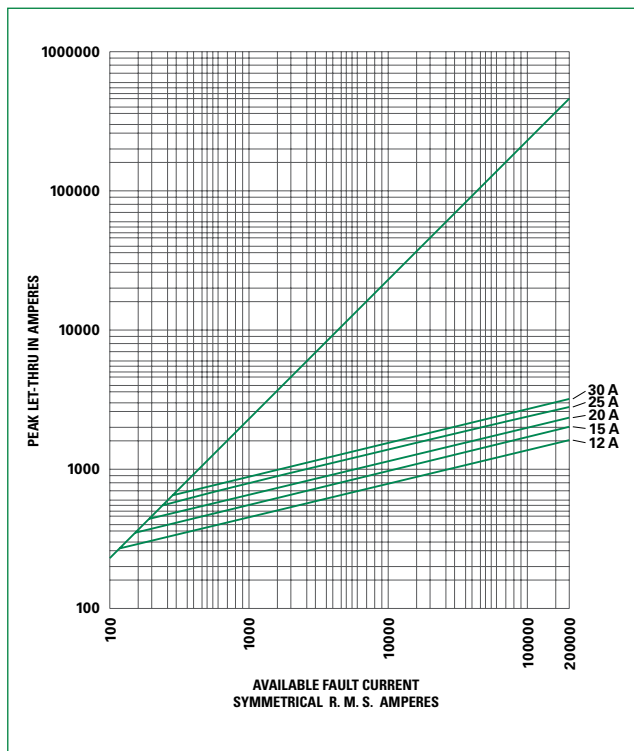
### Electrical Specifications

| ORDERING NUMBER | AMPERAGE RATING | VOLTAGE RATING |     | INTERRUPTING RATING |       | WATTS LOSS AT 100 % RATED CURRENT (W) | WATTS LOSS AT 80 % RATED CURRENT (W) | TOTAL CLEARING I <sup>2</sup> T (A <sup>2</sup> SEC) 200 KA | AGENCY APPROVALS |     |      |
|-----------------|-----------------|----------------|-----|---------------------|-------|---------------------------------------|--------------------------------------|-------------------------------------------------------------|------------------|-----|------|
|                 |                 | AC             | DC  | AC                  | DC    |                                       |                                      |                                                             | UL               | CSA | ROHS |
| KLKR001.T       | 1               | 600            | 300 | 200 kA              | 20 kA | 0.38                                  | 0.20                                 | 80                                                          | •                | •   | •    |
| KLKR006.T       | 6               | 600            | 300 | 200 kA              | 20 kA | 1.36                                  | 0.77                                 | 210                                                         | •                | •   | •    |
| KLKR010.T       | 10              | 600            | 300 | 200 kA              | 20 kA | 1.56                                  | -                                    | 344                                                         | •                | •   | •    |
| KLKR012.T       | 12              | 600            | 300 | 200 kA              | 20 kA | 1.58                                  | 0.83                                 | 350                                                         | •                | •   | •    |
| KLKR015.T       | 15              | 600            | 300 | 200 kA              | 20 kA | 2.3                                   | 1.37                                 | 314                                                         | •                | •   | •    |
| KLKR020.T       | 20              | 600            | 300 | 200 kA              | 20 kA | 2.3                                   | 1.39                                 | 900                                                         | •                | •   | •    |
| KLKR030.T       | 30              | 600            | 300 | 200 kA              | 20 kA | 3.75                                  | 2.10                                 | 1720                                                        | •                | •   | •    |

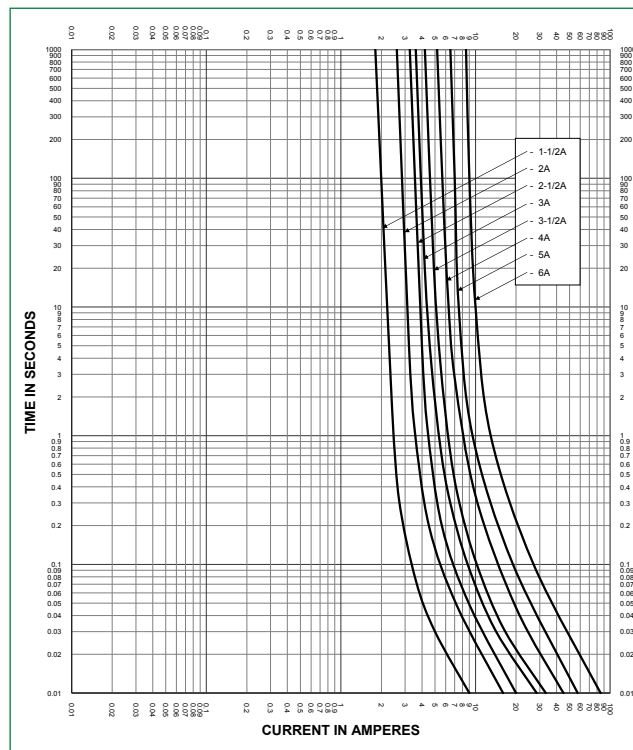
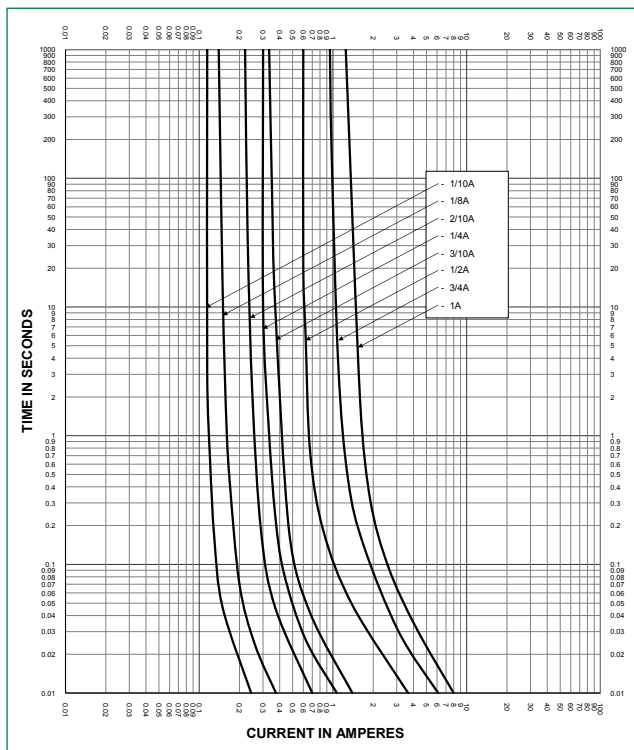
# Class CC Fuses

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### Peak Let-Thru Curves



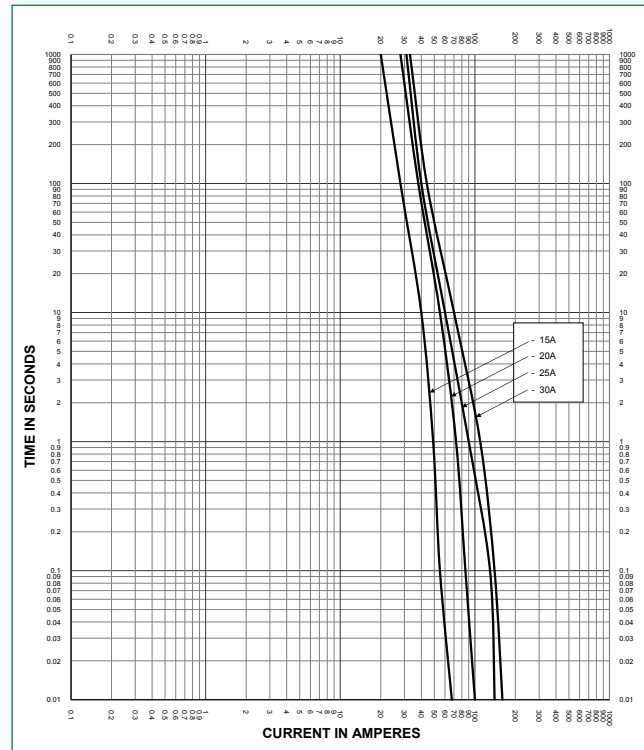
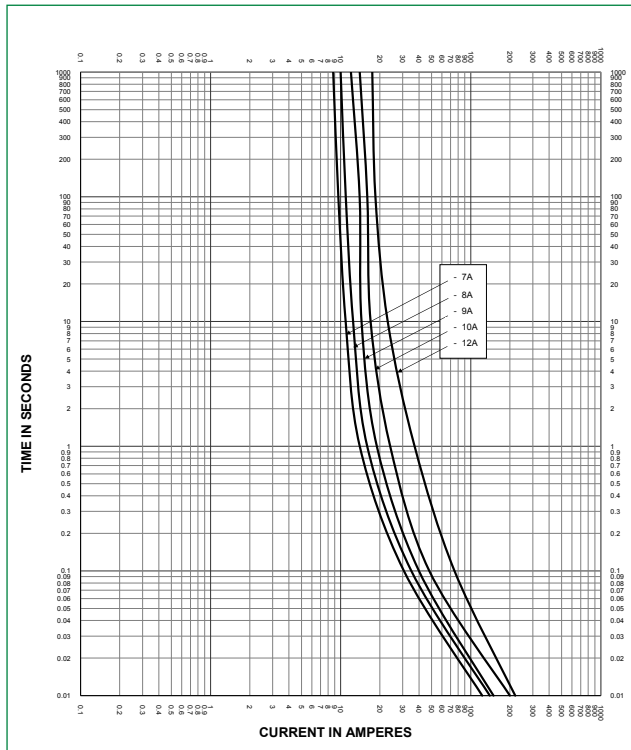
### Time Current Curves



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### Time Current Curves



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