

# Dual Element Time-Delay Class RK1 Fuses



## LENRK/LESRK Features

- True dual - element spring - trigger construction allows sizing of 125% FLA for motor backup protection
- Superior overload and cycling capabilities
- Extremely current limiting; provides superior short circuit component protection

## Applications

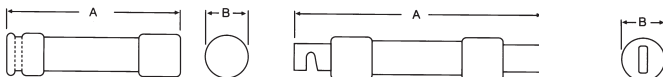
- Recommended for AC power distribution system mains, feeders, and branch circuits
- Protection of motors and motor branch circuits
- Type 2 protection for IEC components
- All general-purpose applications including lighting, heating and other non-inductive loads

## LENRK/LESRK Dimensions

| Dimensions inches (mm)   |         |                |              |
|--------------------------|---------|----------------|--------------|
| Catalog Number           | Amps    | Overall Length | Max Diameter |
|                          |         | A              | B            |
| <b>LENRK series 250V</b> | 10-30   | 2 (50.8)       | 0.56 (14.2)  |
|                          | 35-60   | 3 (76.2)       | 0.81 (20.6)  |
|                          | 70-100  | 5.88 (149.4)   | 1.10 (27.9)  |
|                          | 110-200 | 7.13 (181.1)   | 1.61 (40.9)  |
|                          | 225-400 | 8.63 (219.2)   | 2.36 (59.9)  |
| <b>LESRK series 600V</b> | 450-600 | 10.38 (263.7)  | 2.88 (73.2)  |
|                          | 5-30    | 5 (127)        | 0.81 (20.6)  |
|                          | 35-60   | 5.5 (139.7)    | 1.06 (26.9)  |
|                          | 70-100  | 7.88 (200.2)   | 1.11 (28.2)  |
|                          | 110-200 | 9.63 (244.6)   | 1.61 (40.9)  |
|                          | 225-400 | 11.63 (295.4)  | 2.36 (59.9)  |
|                          | 450-600 | 13.38 (339.9)  | 2.88 (73.2)  |

Ferrule Design - 5 through 60 Amperes

Knife Blade - 70 through 600 Amperes



## CROSS REFERENCE

| VOLTS | EDISON | BUSSMANN  | MERSEN GOULD | LITTELFUSE |
|-------|--------|-----------|--------------|------------|
| 250   | LENRK  | LPN-RK-SP | A2DR         | LLNRK      |
| 600   | LESRK  | LPS-RK-SP | A6DR*        | LLSRK      |

\*Not dual element 110-600 Amp

LENRK/LESRK series fuses have up to 40% more current limitation and up to 350% more Amps-Squared-Second (I<sup>2</sup>t) limitation under fault conditions than ECNR/ECSR series fuses, reducing the potential for damage. They also offer a better selection for electrical power system designers and superior short circuit protection for breakers having inadequate interrupting ratings. ECNR/ECSR and LENRK/LESRK fuse lines are physically interchangeable (and electrically interchangeable per U.L. equipment listing conditions). We recommend them as a practical, economical way to upgrade systems in many situations.

## Specifications

Voltage Rating:

- LENRK: 250 VAC
- LESRK: 600 VAC

Ampere Rating:

- LENRK: 10-600A
- LESRK: 5-600A

Interrupting Rating:

- 200,000 RMS Symmetrical Amps

Self-Certified Interrupting Rating:

- 300,000 RMS Symmetrical Amps

Self-Certified DC Ratings:

- Voltage Rating:  
LENRK (10-60A) 125 VDC  
LENRK (70-600A) 250 VDC  
LESRK 300 VDC  
Interrupting Rating: LENRK/LESRK 20,000 Amperes DC

Current Limiting: RK1 Fuse

**Agency Approvals:**

- UL Listed, Class RK1, Guide JDDZ, File E162363
- CSA Certified HRCI-R per C22.2, No. 248.12

## LENRK Series Dual-element Time-delay Fuses

| Part Number              | AMP Rating | Rated Voltage AC Max | Pcs/Pkg | Package Weight | Price    |
|--------------------------|------------|----------------------|---------|----------------|----------|
| <a href="#">LENRK10</a>  | 10         | 250V                 | 10      | 0.50 lb        | \$151.00 |
| <a href="#">LENRK15</a>  | 15         |                      |         |                | \$102.00 |
| <a href="#">LENRK20</a>  | 20         |                      |         |                | \$102.00 |
| <a href="#">LENRK30</a>  | 30         |                      |         |                | \$102.00 |
| <a href="#">LENRK60</a>  | 60         |                      |         | 1.24 lb        | \$203.00 |
| <a href="#">LENRK100</a> | 100        |                      | 5       | 1.90 lb        | \$210.00 |
| <a href="#">LENRK200</a> | 200        |                      | 1       | 0.90 lb        | \$102.00 |
| <a href="#">LENRK300</a> | 300        |                      |         | 2.00 lb        | \$144.00 |
| <a href="#">LENRK400</a> | 400        |                      |         |                | \$141.00 |
| <a href="#">LENRK500</a> | 500        |                      |         | 3.00 lb        | \$242.00 |
| <a href="#">LENRK600</a> | 600        |                      |         |                | \$229.00 |

## LESRK Series Dual-element Time-delay Fuses

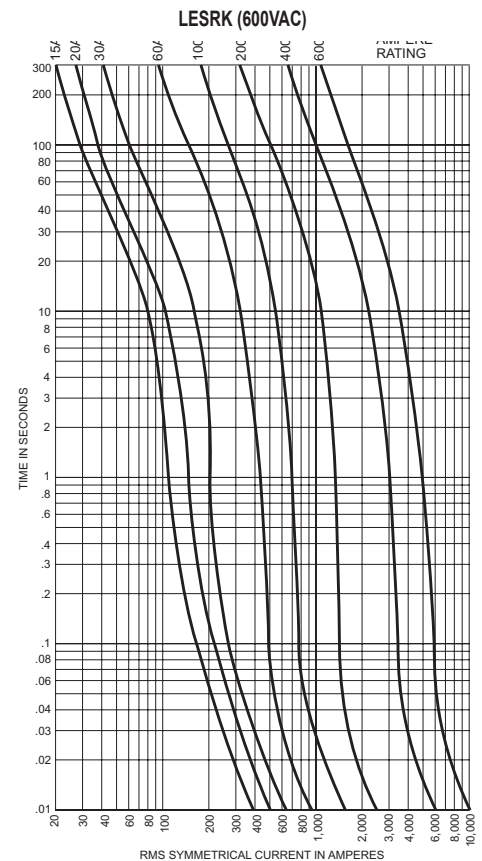
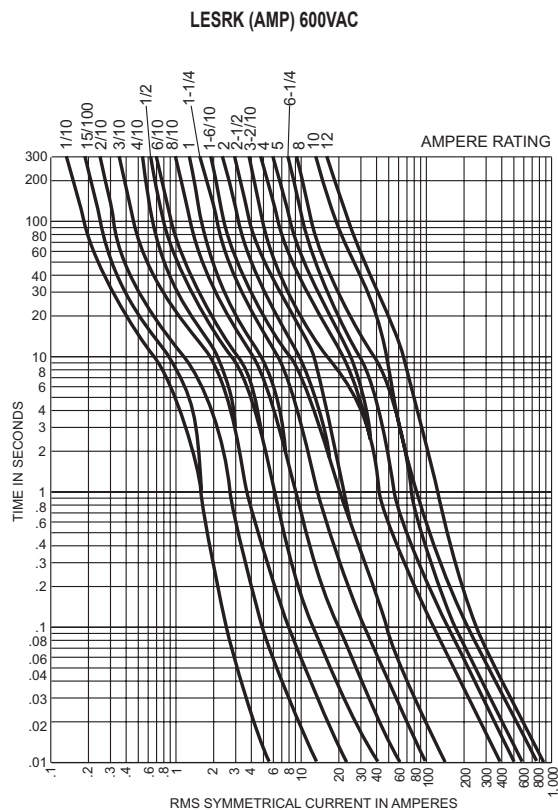
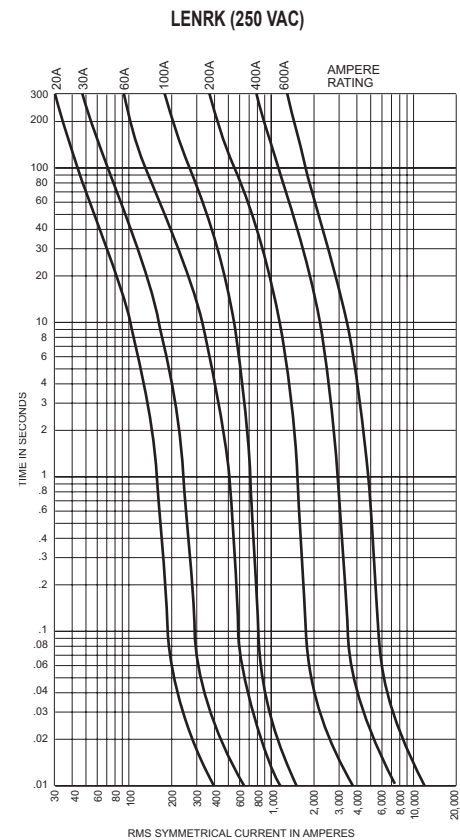
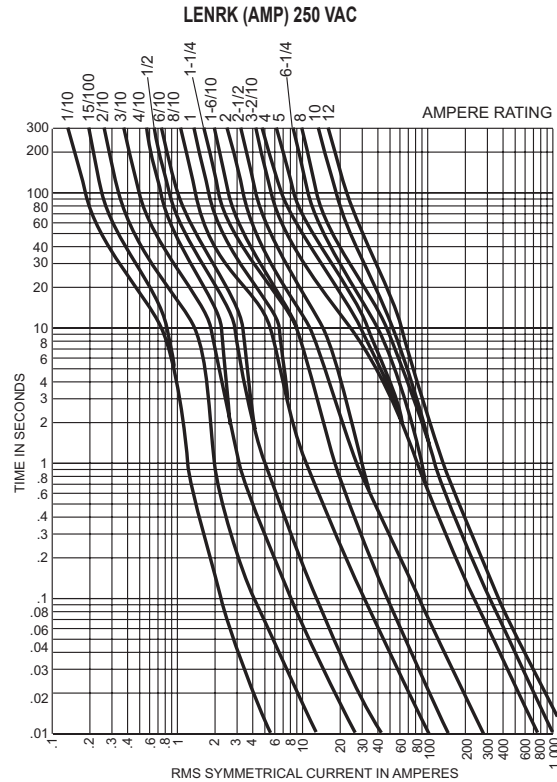
| Part Number              | AMP Rating | Rated Voltage AC Max | Pcs/Pkg | Package Weight | Price    |
|--------------------------|------------|----------------------|---------|----------------|----------|
| <a href="#">LESRK5</a>   | 5          | 600V                 | 10      | 1.60 lb        | \$272.00 |
| <a href="#">LESRK10</a>  | 10         |                      |         |                | \$272.00 |
| <a href="#">LESRK15</a>  | 15         |                      |         |                | \$256.00 |
| <a href="#">LESRK20</a>  | 20         |                      |         |                | \$256.00 |
| <a href="#">LESRK25</a>  | 25         |                      |         |                | \$256.00 |
| <a href="#">LESRK30</a>  | 30         |                      |         |                | \$256.00 |
| <a href="#">LESRK40</a>  | 40         |                      |         | 3.05 lb        | \$369.00 |
| <a href="#">LESRK50</a>  | 50         |                      |         | 3.10 lb        | \$369.00 |
| <a href="#">LESRK60</a>  | 60         |                      |         |                | \$369.00 |
| <a href="#">LESRK100</a> | 100        |                      | 5       | 1.50 lb        | \$397.00 |
| <a href="#">LESRK200</a> | 200        |                      | 1       | 1.10 lb        | \$181.00 |
| <a href="#">LESRK300</a> | 300        |                      |         | 2.40 lb        | \$278.00 |
| <a href="#">LESRK400</a> | 400        |                      |         |                | \$278.00 |
| <a href="#">LESRK500</a> | 500        |                      |         | 3.40 lb        | \$401.00 |
| <a href="#">LESRK600</a> | 600        |                      |         |                | \$396.00 |

# Dual Element Time-Delay Class RK1 Fuses



LENRK/LESRK

Average Time/  
Current Curves

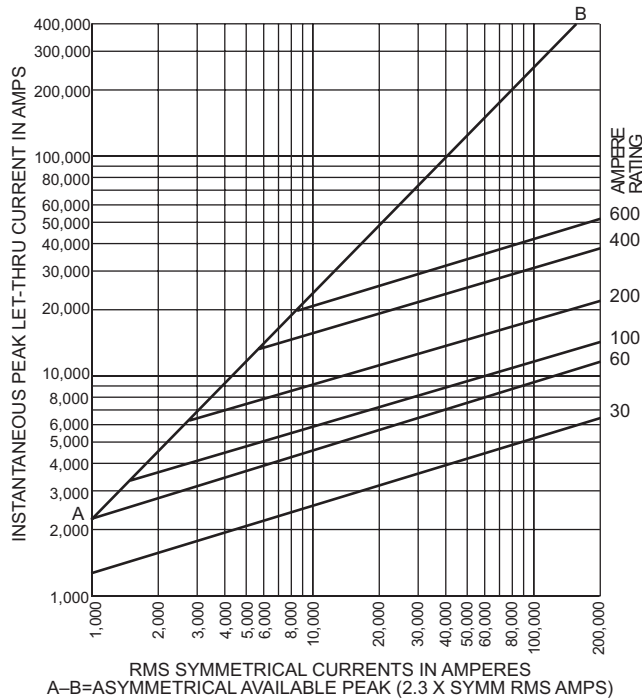


# Dual Element Time-Delay Class RK1 Fuses

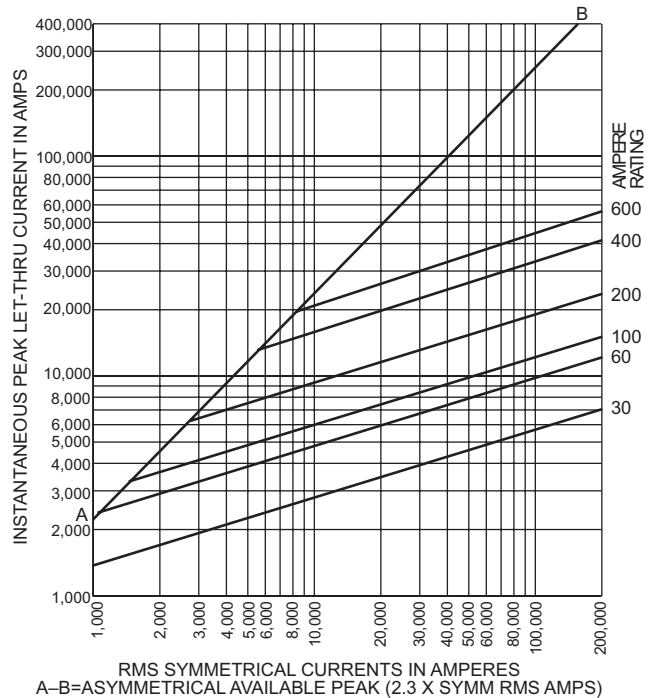


## PEAK LET-THROUGH CURRENT CURVES\*

LENRK (250V)



LESRK (600V)



\*Curves test data obtained at 15% short-circuit power factor when possible.

## CURRENT LIMITATION TABLES

LENRK (250V)\* RMS &amp; Peak Let-Thru Currents (kA)

| Available Fault current | Apparent Effective Let-Thru Amperes (kA) |                |                  |                |                  |                |                  |                |                  |                |                  |                |
|-------------------------|------------------------------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|
|                         | 30                                       |                | 60               |                | 100              |                | 200              |                | 400              |                | 600              |                |
| RMS Amperes             | I <sub>RMS</sub>                         | I <sub>p</sub> | I <sub>RMS</sub> | I <sub>p</sub> | I <sub>RMS</sub> | I <sub>p</sub> | I <sub>RMS</sub> | I <sub>p</sub> | I <sub>RMS</sub> | I <sub>p</sub> | I <sub>RMS</sub> | I <sub>p</sub> |
| 1,000                   | 1                                        | 1              | 1                | 2              | 1                | 2              | 1                | 2              | 1                | 2              | 1                | 2              |
| 2,000                   | 1                                        | 2              | 1                | 3              | 2                | 4              | 2                | 5              | 2                | 5              | 2                | 5              |
| 3,000                   | 1                                        | 2              | 1                | 3              | 2                | 4              | 3                | 6              | 3                | 7              | 3                | 7              |
| 5,000                   | 1                                        | 2              | 2                | 4              | 2                | 5              | 3                | 7              | 5                | 12             | 5                | 12             |
| 10,000                  | 1                                        | 3              | 2                | 4              | 2                | 6              | 4                | 9              | 7                | 15             | 9                | 21             |
| 15,000                  | 1                                        | 3              | 2                | 5              | 3                | 6              | 4                | 10             | 7                | 17             | 10               | 23             |
| 20,000                  | 1                                        | 3              | 2                | 6              | 3                | 7              | 5                | 11             | 8                | 19             | 11               | 25             |
| 25,000                  | 1                                        | 3              | 3                | 6              | 3                | 7              | 5                | 12             | 9                | 20             | 12               | 27             |
| 30,000                  | 2                                        | 3              | 3                | 6              | 3                | 8              | 5                | 12             | 9                | 21             | 13               | 29             |
| 35,000                  | 2                                        | 4              | 3                | 7              | 4                | 8              | 6                | 13             | 10               | 22             | 13               | 30             |
| 40,000                  | 2                                        | 4              | 3                | 7              | 4                | 9              | 6                | 13             | 10               | 23             | 13               | 31             |
| 50,000                  | 2                                        | 4              | 3                | 7              | 4                | 9              | 6                | 14             | 10               | 24             | 14               | 33             |
| 60,000                  | 2                                        | 4              | 3                | 8              | 4                | 10             | 7                | 15             | 11               | 26             | 15               | 35             |
| 70,000                  | 2                                        | 4              | 3                | 8              | 4                | 10             | 7                | 16             | 12               | 27             | 16               | 36             |
| 80,000                  | 2                                        | 5              | 4                | 8              | 5                | 11             | 7                | 16             | 12               | 28             | 17               | 38             |
| 90,000                  | 2                                        | 5              | 4                | 9              | 5                | 11             | 7                | 17             | 13               | 29             | 17               | 39             |
| 100,000                 | 2                                        | 5              | 4                | 9              | 5                | 11             | 8                | 18             | 13               | 30             | 17               | 40             |
| 150,000                 | 2                                        | 6              | 4                | 10             | 5                | 13             | 8                | 19             | 16               | 36             | 20               | 46             |
| 200,000                 | 3                                        | 6              | 5                | 11             | 6                | 14             | 9                | 21             | 18               | 42             | 22               | 50             |

LESRK (600V)\* RMS &amp; Peak Let-Thru Currents (kA)

| Available Fault current | Apparent Effective Let-Thru Amperes (kA) |                |                  |                |                  |                |                  |                |                  |                |                  |                |
|-------------------------|------------------------------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|------------------|----------------|
|                         | 30                                       |                | 60               |                | 100              |                | 200              |                | 400              |                | 600              |                |
| RMS Amperes             | I <sub>RMS</sub>                         | I <sub>p</sub> | I <sub>RMS</sub> | I <sub>p</sub> | I <sub>RMS</sub> | I <sub>p</sub> | I <sub>RMS</sub> | I <sub>p</sub> | I <sub>RMS</sub> | I <sub>p</sub> | I <sub>RMS</sub> | I <sub>p</sub> |
| 1,000                   | 1                                        | 1              | 1                | 2              | 1                | 2              | 1                | 2              | 1                | 2              | 1                | 2              |
| 2,000                   | 1                                        | 2              | 1                | 3              | 2                | 4              | 2                | 4              | 2                | 4              | 2                | 4              |
| 3,000                   | 1                                        | 2              | 1                | 3              | 2                | 4              | 3                | 6              | 3                | 7              | 3                | 7              |
| 5,000                   | 1                                        | 2              | 2                | 4              | 2                | 5              | 3                | 7              | 5                | 12             | 5                | 12             |
| 10,000                  | 1                                        | 3              | 2                | 5              | 3                | 6              | 4                | 9              | 7                | 16             | 9                | 21             |
| 15,000                  | 1                                        | 3              | 2                | 5              | 3                | 7              | 5                | 11             | 8                | 18             | 10               | 24             |
| 20,000                  | 1                                        | 3              | 3                | 6              | 3                | 7              | 5                | 12             | 8                | 19             | 11               | 26             |
| 25,000                  | 2                                        | 4              | 3                | 6              | 3                | 8              | 5                | 12             | 9                | 21             | 12               | 28             |
| 30,000                  | 2                                        | 4              | 3                | 6              | 4                | 8              | 6                | 13             | 10               | 22             | 13               | 30             |
| 35,000                  | 2                                        | 4              | 3                | 7              | 4                | 9              | 6                | 14             | 10               | 23             | 13               | 31             |
| 40,000                  | 2                                        | 4              | 3                | 7              | 4                | 9              | 6                | 14             | 10               | 24             | 14               | 32             |
| 50,000                  | 2                                        | 5              | 3                | 8              | 4                | 10             | 7                | 15             | 11               | 26             | 15               | 35             |
| 60,000                  | 2                                        | 5              | 3                | 8              | 4                | 10             | 7                | 16             | 12               | 28             | 16               | 37             |
| 70,000                  | 2                                        | 5              | 4                | 8              | 5                | 11             | 7                | 17             | 13               | 29             | 17               | 39             |
| 80,000                  | 2                                        | 5              | 4                | 9              | 5                | 11             | 8                | 18             | 13               | 30             | 17               | 40             |
| 90,000                  | 2                                        | 5              | 4                | 9              | 5                | 12             | 8                | 18             | 13               | 31             | 18               | 42             |
| 100,000                 | 2                                        | 6              | 4                | 9              | 5                | 12             | 8                | 19             | 14               | 32             | 19               | 44             |
| 150,000                 | 3                                        | 6              | 5                | 11             | 6                | 14             | 9                | 21             | 16               | 36             | 22               | 50             |
| 200,000                 | 3                                        | 7              | 5                | 12             | 7                | 15             | 10               | 23             | 17               | 40             | 23               | 54             |

\*\*"Apparent Let-Thru Amperes" values are read from "Peak Let-Through Current Curves" and the peak current value divided by 2.3 Asymmetry Factor.



# Selection Guide

## Line Overview

The Edison family of fuses, fuse blocks and fuse holders is divided into two classes:

1. Current Limiting: Class CC, Class J, Class L, Class RK, Class T
2. General Purpose: Class M Midget and Small Dimension

The fuse selection guide below is a general summary of the

specifications included for each fuse type. This selection guide does not include the many variables that can exist for specific situations such as local codes, unusual temperature, or other operating conditions. When selecting fuses, be sure to comply with any applicable PUBLIC SAFETY standards that apply to Overcurrent Protection Devices (OPD).

| Edison Fuses Selection Guide and General Specifications |                                                                                                                                              |                                                                                                                         |                                                                                                                                           |                   |                                                        |                   |                                                                                                                                                   |        |                                                                                                                  |                                                                                                                           |            |                                             |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------|---------------------------------------------|
| Description                                             | Current Limiting                                                                                                                             |                                                                                                                         |                                                                                                                                           |                   |                                                        |                   |                                                                                                                                                   |        |                                                                                                                  |                                                                                                                           |            |                                             |
|                                                         | Class J                                                                                                                                      |                                                                                                                         | Class RK5                                                                                                                                 |                   | Class RK1                                              |                   | Class T                                                                                                                                           |        | Class L                                                                                                          | Class CC                                                                                                                  |            |                                             |
| Fuse Type                                               | Fast-Acting                                                                                                                                  | Time-Delay                                                                                                              | Time-Delay                                                                                                                                |                   |                                                        |                   | Extremely Fast-Acting                                                                                                                             |        | Fast-Acting                                                                                                      | Fast-Acting                                                                                                               | Time-Delay |                                             |
| Part Number                                             | JHL                                                                                                                                          | JDL                                                                                                                     | ECNR                                                                                                                                      | ECSR              | LENRK                                                  | LESRK             | TJN                                                                                                                                               | TJS    | LCU                                                                                                              | HCLR                                                                                                                      | HCTR       | EDCC                                        |
| Voltage Rating                                          | 600VAC<br>450VDC                                                                                                                             | 600VAC<br>300VDC*                                                                                                       | 250VAC<br>125 VDC*<br>(1-200A)<br>250VDC*<br>(201-600A)                                                                                   | 600VAC<br>300VDC* | 250VAC<br>125 VDC*<br>(10-60A)<br>250VDC*<br>(70-600A) | 600VAC<br>300VDC* | 300VAC<br>160 VDC<br>(15-600A)                                                                                                                    | 600VAC | 600V                                                                                                             | 600VAC<br>300VDC<br>(15-20A)                                                                                              | 600VAC     | 600VAC<br>300VDC<br>(0.5-2.25A)<br>(20-30A) |
| Amp Rating                                              | 1 - 600                                                                                                                                      |                                                                                                                         | 1 - 600                                                                                                                                   | 3 - 600           | 10 - 600                                               | 5 - 600           | 1 - 600                                                                                                                                           |        | 601 - 1200                                                                                                       | 0.5 - 30                                                                                                                  | 0.25 - 30  | 0.5 - 30                                    |
| Interrupting Rating                                     | 200,000 RMS Symmetrical Amps                                                                                                                 |                                                                                                                         |                                                                                                                                           |                   |                                                        |                   |                                                                                                                                                   |        |                                                                                                                  |                                                                                                                           |            |                                             |
| Current Limiting                                        | Class J                                                                                                                                      |                                                                                                                         | Class RK5                                                                                                                                 |                   | Class RK1                                              |                   | Class T                                                                                                                                           |        | Class L                                                                                                          | Class CC                                                                                                                  |            |                                             |
| Agency Approvals                                        | UL Listed<br>Class J<br>Guide JDDZ<br>File E162363<br>CSA Certified<br>HRCI-J per<br>C22.2,<br>No. 248.8<br>File 700489<br>RoHS<br>compliant | UL Listed<br>Class J<br>Guide JDDZ<br>File E162363<br>CSA Certified<br>HRCI-J per<br>C22.2, No.<br>248.8<br>File 700489 | UL Listed, Class RK, Guide JDDZ,<br>File E162363<br>CSA Certified HRCI-R per C22.2, No. 248.12,<br>File 700489<br>(LENRK CSA File 053787) |                   |                                                        |                   | UL Listed, Class T,<br>Guide JDDZ, File<br>E162363<br>CSA Certified HRCI-T<br>per C22.2, No. 248.12,<br>File 53787,<br>Class 1422-02 &<br>1422-82 |        | UL Listed,<br>Std. 248-10<br>CSA<br>Certified,<br>HRC-L C22.2<br>No. 248.10,<br>Class 1422-<br>02,<br>File 53787 | UL Listed to 248.4, Class CC,<br>Guide JDDZ, File E162363,<br>CSA certified HRCI-MISC per C22.2<br>No. 248.4, File 700489 |            |                                             |
| Dimensions                                              | See product specification pages.                                                                                                             |                                                                                                                         |                                                                                                                                           |                   |                                                        |                   |                                                                                                                                                   |        |                                                                                                                  | ferrule (in): 13/32, length (in): 1-1/2                                                                                   |            |                                             |

\* Self-certified DC ratings

| Edison Fuses Selection Guide and General Specifications |                                                                           |                 |            |           |                                                                                                                                                                                                                                                                             |                                                  |                                                                                                                                                                                        |                                             |                                                                                                                                                                                                                                         |                                                    |                                                                                                                            |                  |
|---------------------------------------------------------|---------------------------------------------------------------------------|-----------------|------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------------|
| Description                                             | General Purpose – Midget                                                  |                 |            |           | General Purpose – Small Dimension Electronic                                                                                                                                                                                                                                |                                                  |                                                                                                                                                                                        |                                             |                                                                                                                                                                                                                                         |                                                    |                                                                                                                            |                  |
| Fuse Type                                               | Fast-Acting                                                               |                 | Time-Delay |           | Fast-Acting Ceramic                                                                                                                                                                                                                                                         | Fast-Acting Glass                                |                                                                                                                                                                                        | Medium Time-Delay Glass                     | Time-Delay Ceramic                                                                                                                                                                                                                      | Time-Delay Glass                                   | Fast-Acting Glass                                                                                                          | Time-Delay Glass |
| Part Number                                             | MCL                                                                       | MOL             | MEQ        | MEN       | ABC                                                                                                                                                                                                                                                                         | AGC                                              | GMA                                                                                                                                                                                    | GMC                                         | MDA                                                                                                                                                                                                                                     | MDL                                                | S500                                                                                                                       | S506             |
| Voltage Rating                                          | 600 VAC                                                                   | 250 VAC         | 500 VAC    | 250 VAC   | 250 VAC<br>(0.5 to 30A)<br>125VDC:<br>(0.5 to 30A)                                                                                                                                                                                                                          | 250VAC:<br>(0.1 to 10A)<br>32VAC:<br>(15 to 30A) | 250VAC<br>(0.063 - 3A)<br>125VAC<br>(4 - 15A)                                                                                                                                          | 250VAC<br>(0.5 - 3A)<br>125VAC<br>(4 - 10A) | 250VAC<br>125VDC<br>(20A)                                                                                                                                                                                                               | 250VAC:<br>(0.0625 to 8A)<br>32VAC:<br>(10 to 20A) | 250VAC                                                                                                                     | 250VAC           |
| Amp Rating                                              | 0.5 to 50                                                                 | 0.5 to 30       | 0.25 to 30 | 0.5 to 30 | 0.5 to 30                                                                                                                                                                                                                                                                   | 0.10 to 30                                       | 0.063 to 15                                                                                                                                                                            | 0.5 to 10                                   | 0.5 to 20                                                                                                                                                                                                                               | 0.0625 to 20                                       | 0.032 to 10                                                                                                                | 0.25 to 6.3      |
| Interrupting Rating                                     | 100,000 RMS Amps                                                          | 10,000 RMS Amps |            |           | See specifications table on product pages                                                                                                                                                                                                                                   |                                                  |                                                                                                                                                                                        |                                             |                                                                                                                                                                                                                                         |                                                    |                                                                                                                            |                  |
| Current Limiting                                        | N/A                                                                       |                 |            |           | N/A                                                                                                                                                                                                                                                                         |                                                  |                                                                                                                                                                                        |                                             |                                                                                                                                                                                                                                         |                                                    |                                                                                                                            |                  |
| Agency Approvals                                        | UL Listed to 248.14, File E162443<br>CSA Cert. C22.2 Part 59.2, LR 700489 |                 |            |           | UL Listed standard 248-14<br>UL Listed Guide and File nos. (ABC 0.25-20 A): (AGC 1/100-10 A) JDYX and E19180<br>UL Recognition Guide and File nos. (ABC 20-30A):(AGC 11-30) JDYX2 and E19180<br>CSA Certification Record No: 053787 C 000 and Class No: 1422 01 and 1422 30 |                                                  | Designed to UL/CSA 248-14<br>UL Listed, Guide JDYX, File E19180 63mA-6A<br>UL Recognition, Guide JDYX2, File E19180, 7A-15A<br>CSA Certified, File 053787 C_000, 63mA-6A Class 1422-01 |                                             | UL Listed standard 248-14<br>UL Listed Card: MDA 2/10-20A , MDL 1/16-8A<br>(Guide JDYX, File E19180)<br>UL Recognized Card: MDA 25-30A MDL 9-30A (Guide JDYX2, File E19180)<br>CSA Certification Card: MDA 2/10-15A (Class No. 1422-01) |                                                    | UL Recognized Guide JDYX2, File E19180<br>Semko Approval<br>VDE Approval<br>BSI Approval<br>IMQ Approval<br>RoHS compliant |                  |
|                                                         |                                                                           |                 |            |           | RoHS                                                                                                                                                                                                                                                                        |                                                  |                                                                                                                                                                                        |                                             |                                                                                                                                                                                                                                         |                                                    |                                                                                                                            |                  |
| Dimensions                                              | ferrule (in): 13/32 length (in): 1-1/2                                    |                 |            |           | 1/4" x 1-1/4",<br>(6.3mm x 32mm)                                                                                                                                                                                                                                            |                                                  | 0.197" x 0.788"<br>(5mm x 20mm)                                                                                                                                                        |                                             | 1/4" x 1-1/4",<br>(6.3mm x 32mm)                                                                                                                                                                                                        |                                                    | 0.197" x 0.788"<br>(5mm x 20mm)                                                                                            |                  |

# Modular Ferrule Fuse Blocks for Class R Fuses



## Description

RM Series for use with Class R fuses LENRK, LESRK, ECNR & ECSR

## Mounting

35mm DIN rail or panel mount

## Specifications

### Materials:

Base – Thermoplastic

Terminals – Tin-plated copper brass

Covers – Thermoplastic

Screws – Zinc-plated steel

**SCCR:** 200kA

### Flammability rating:

Blocks – UL 94V0, self-extinguishing

Covers – UL 94HB, self-extinguishing

### Operating and storage temp range:

Blocks – -40° to 120°C [-40° to 248°F]

Covers – indicating -20° to 90°C [-4° to 194°F]

non-indicating -40° to 120°C [-40° to 248°F]

### Wire:

Cu – 75°/90°C [167°/194°F]

Al – 75°C [167°F]

Ring or Fork terminal to fit a #10-32 screw

## Agency Approvals

### Fuse Blocks

- UL® Listed E14853 - IZLT
- CSA® Certified 47235-6225-01
- CE
- RoHS Compliant
- Conflict mineral free
- REACH Compliant

### Covers

- Covers are included in the overall UL Listing/Recognition and CSA Certification
- IP20 finger-safe
- RoHS compliant
- REACH Compliant

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.



Clear IP20 finger-safe cover (sold separately)

Patented lockout / tagout

Modular dove-tail design for tool-less snap together assembly

DIN Rail or panel mount

Test probe holes

Screw terminal

Compact Footprint

## Modular Ferrule Fuse Blocks for Class R Fuses

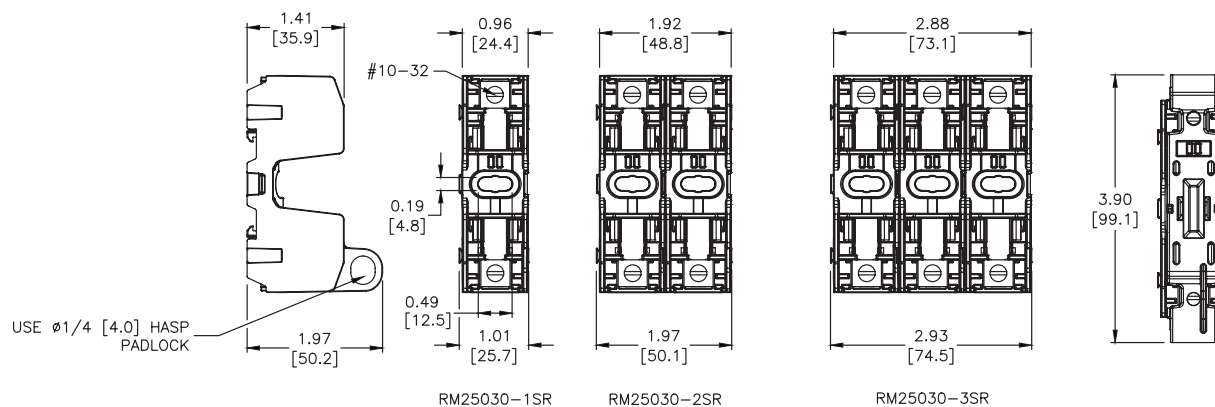
| Type    | Part Number                 | Pc/<br>pkg | Price    | Volts         | Amps | Poles | Wire Range                    |                                          | Torque<br>lb-in<br>[N·m]                     | Wt.<br>lb [kg] | Covers (sold separately)                |                                          |            |
|---------|-----------------------------|------------|----------|---------------|------|-------|-------------------------------|------------------------------------------|----------------------------------------------|----------------|-----------------------------------------|------------------------------------------|------------|
|         |                             |            |          |               |      |       | solid and<br>stranded         | fine<br>stranded (Cu)                    |                                              |                | w/o<br>Indication                       | w/<br>Indication <sup>1</sup>            | Pc/<br>pkg |
| Screw   | <a href="#">RM25030-1SR</a> | 1          | \$15.50  | 250V<br>AC/DC | 30   | 1     | 18-10 AWG (Cu)                | 18-10 AWG                                | 20 [2.3]                                     | 0.10 [0.04]    | <a href="#">CVR-RH-25030</a><br>\$10.00 | <a href="#">CVRI-RH-25030</a><br>\$13.00 | 1          |
|         | <a href="#">RM25030-2SR</a> | 1          | \$25.00  |               |      | 2     |                               |                                          |                                              | 0.15 [0.07]    |                                         |                                          |            |
|         | <a href="#">RM25030-3SR</a> | 1          | \$38.00  |               |      | 3     |                               |                                          |                                              | 0.25 [0.12]    |                                         |                                          |            |
| Box Lug | <a href="#">RM25060-1CR</a> | 1          | \$30.00  |               | 60   | 1     | 14-2 AWG (Cu)<br>8-2 AWG (Al) | 3-2 AWG<br>6-4 AWG<br>8 AWG<br>14-10 AWG | 50 [5.6]<br>45 [5.1]<br>40 [4.5]<br>35 [4.0] | 0.15 [0.07]    | <a href="#">CVR-RH-25060</a><br>\$12.00 | <a href="#">CVRI-RH-25060</a><br>\$13.50 | 1          |
|         | <a href="#">RM25060-2CR</a> | 1          | \$53.00  |               |      | 2     |                               |                                          |                                              | 0.30 [0.14]    |                                         |                                          |            |
|         | <a href="#">RM25060-3CR</a> | 1          | \$71.00  |               |      | 3     |                               |                                          |                                              | 0.45 [0.22]    |                                         |                                          |            |
| Screw   | <a href="#">RM60030-1SR</a> | 1          | \$33.50  | 600V<br>AC/DC | 30   | 1     | 18-10 AWG (Cu)                | 18-10 AWG                                | 20 [2.3]                                     | 0.15 [0.07]    | <a href="#">CVR-RH-60030</a><br>\$10.50 | <a href="#">CVRI-RH-60030</a><br>\$13.00 | 1          |
|         | <a href="#">RM60030-2SR</a> | 1          | \$51.00  |               |      | 2     |                               |                                          |                                              | 0.30 [0.14]    |                                         |                                          |            |
|         | <a href="#">RM60030-3SR</a> | 1          | \$62.00  |               |      | 3     |                               |                                          |                                              | 0.45 [0.22]    |                                         |                                          |            |
| Box Lug | <a href="#">RM60060-1CR</a> | 1          | \$42.00  |               | 60   | 1     | 14-2 AWG (Cu)<br>8-2 AWG (Al) | 3-2 AWG<br>6-4 AWG<br>8 AWG<br>14-10 AWG | 50 [5.6]<br>45 [5.1]<br>40 [4.5]<br>35 [4.0] | 0.25 [0.12]    | <a href="#">CVR-RH-60060</a><br>\$12.00 | <a href="#">CVRI-RH-60060</a><br>\$13.50 | 1          |
|         | <a href="#">RM60060-2CR</a> | 1          | \$70.00  |               |      | 2     |                               |                                          |                                              | 0.45 [0.22]    |                                         |                                          |            |
|         | <a href="#">RM60060-3CR</a> | 1          | \$127.00 |               |      | 3     |                               |                                          |                                              | 0.70 [0.30]    |                                         |                                          |            |

<sup>1</sup> Open fuse indication requires 90V minimum and closed circuit to operate.

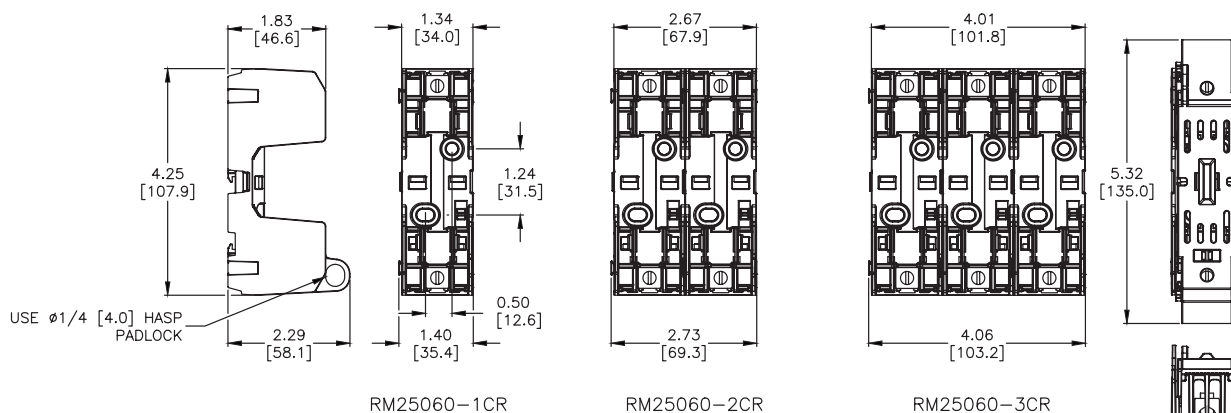
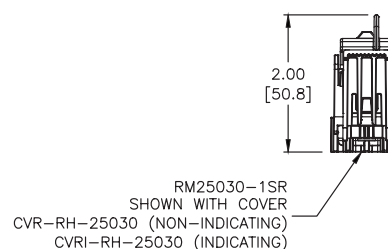
# Modular Ferrule Fuse Blocks for Class R Fuses Dimensions



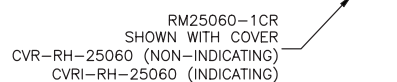
in [mm]



**RM25030**



**RM25060**

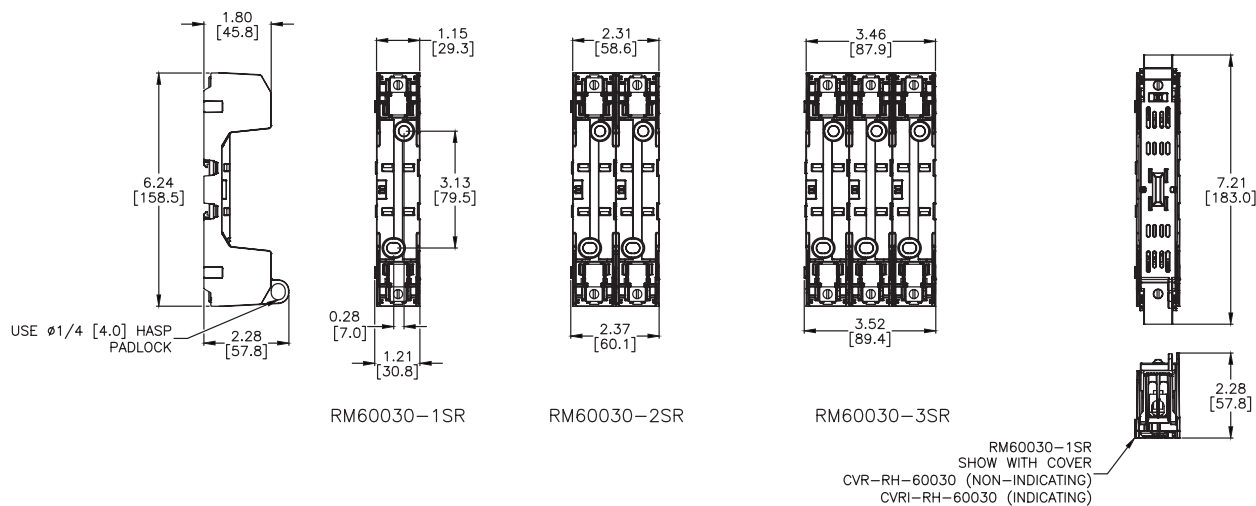


Please see our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete engineering drawings. Dimensions are approximate. Not for construction purposes.

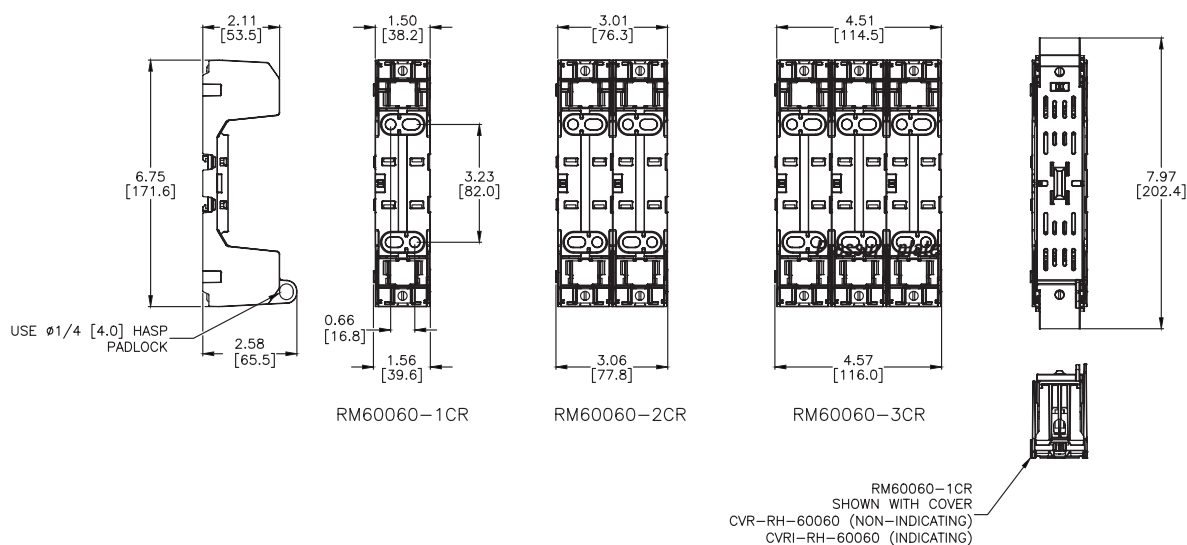
# Modular Ferrule Fuse Blocks for Class R Fuses

## Dimensions

in [mm]



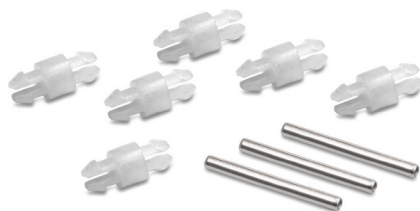
RM60030



RM60060

Please see our website [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete engineering drawings. Dimensions are approximate. Not for construction purposes.

# Accessories

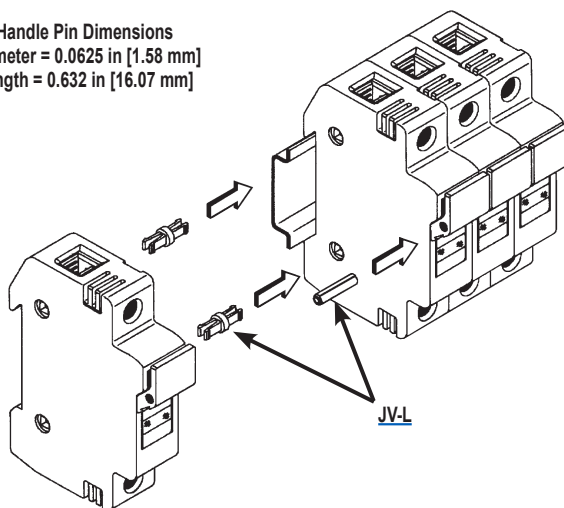
**FP-2****JV-L**

| Accessories                             |                                                                                                                                                                                           |         |         |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|
| Part Number                             | Description                                                                                                                                                                               | Pcs/Pkg | Price   |
| <b>FP-2</b>                             | Fuse puller for fuse dia. 13/32" - 13/16". Fuse type: 0-60A, 250V; 0-30A, 600V                                                                                                            | 1       | \$34.50 |
| <b>JV-L*</b><br>(Not Field Installable) | Multi-pole connection kit to connect new design multiple Class CC and Midget Class fuse holders together. Kit consists of 6 connectors and 3 handle pins to connect up to 4 fuse holders. |         | \$13.00 |

Note: Will not work with retired design fuse holders shipped before November 1, 2009.

\*Roll pin punch or installation tool is required to install handle pins (Tool not sold by [AutomationDirect.com](http://AutomationDirect.com)).

Handle Pin Dimensions  
Diameter = 0.0625 in [1.58 mm]  
Length = 0.632 in [16.07 mm]



# Cross Reference Guide



## CROSS REFERENCE GUIDE By manufacturers type reference or series number. Ampere ratings must be added for ordering purposes.

| FUSE TYPE                                   |                         | VOLT    | EDISON                    | BRUSH/<br>DORMAN | BUSSMANN  | MERSEN /<br>GOULD | GEC/CEFCO | LITTELFUSE |
|---------------------------------------------|-------------------------|---------|---------------------------|------------------|-----------|-------------------|-----------|------------|
| UL CLASS CURRENT LIMITING FUSES (CSA CLASS) |                         |         |                           |                  |           |                   |           |            |
| CC (HRCI-CC)                                | Time-Delay              | 600     | EDCC                      | –                | LP-CC     | ATDR              | –         | CCMR       |
|                                             | Time-Delay              | 600     | HCTR                      | –                | FNQ-R     | ATQR              | –         | KLDR       |
|                                             | Fast-Acting             | 600     | HCLR                      | HCLR             | KTK-R     | ATMR              | CTK-R     | KLKR       |
| RK1                                         | Time-Delay Dual Element | 250     | LENRK                     | –                | LPN-RK-SP | A2DR              | –         | LLNRK      |
|                                             |                         | 600     | LESRK                     | –                | LPS-RK-SP | A6DR              | –         | LLSRK      |
| RK5                                         | Time-Delay Dual Element | 250     | ECNR                      | –                | FRN-R     | TR                | –         | FLNR       |
|                                             |                         | 600     | ECSR                      | –                | FRS-R     | TRS               | –         | FLSR       |
| J                                           | Time-Delay Dual Element | 600     | JDL                       | –                | LPJ       | AJT               | –         | JTD        |
|                                             | High-Speed AC Drive     | 600     | JHL                       | –                | DFJ       | HSJ               | –         | –          |
| T                                           | Extremely Fast-Acting   | 300     | TJN                       | –                | JJN       | A3T               | –         | JLLN       |
|                                             |                         | 600     | TJS                       | –                | JJS       | A6T               | –         | JLLS       |
| UL CLASS GENERAL PURPOSE FUSES              |                         |         |                           |                  |           |                   |           |            |
| Midget                                      | Fast-Acting             | 600     | MCL                       | MCL              | KTK       | ATM               | CTK       | KLK        |
|                                             |                         | 250     | MOL                       | MOL              | BAF/BAN   | OTM               | –         | BLF        |
|                                             | Time-Delay              | 500     | MEQ                       | MEQ              | FNQ       | ATQ               | –         | FLQ        |
|                                             |                         | 250     | MEN                       | MEN              | FNM       | TRM               | –         | FLM        |
| 1/4"x 1-1/4" Ceramic                        | Fast-Acting             | 250/125 | ABC                       | ABC              | ABC       | GAB               | –         | 314        |
| 1/4"x 1-1/4" Glass                          |                         | 250/32  | AGC                       | AGC              | AGC       | GGC               | –         | 312        |
| 1/4"x 1-1/4" Ceramic                        | Time-Delay              | 250     | MDA                       | MDA              | MDA       | –                 | –         | 326        |
| 1/4"x 1-1/4" Glass                          |                         | 250/32  | MDL                       | MDL              | MDL       | GDL               | –         | 313        |
| 5x20 mm Glass                               | Fast-Acting             | 250/125 | GMA                       | GMA              | GMA       | GGM               | –         | 235        |
|                                             | Medium Time-Delay       | 250/125 | GMC                       | GMC              | GMC       | GSC               | –         | –          |
| 5x20 mm Glass                               | Fast-Acting             | 250     | S500                      | BDB              | GDB       | GSB               | –         | 217        |
|                                             | Time-Delay              | 250     | S506                      | BDC              | GDC       | GDG               | –         | 218        |
| Fuse Puller                                 |                         |         |                           |                  |           |                   |           |            |
| Fuse Puller FP-2                            |                         |         | old - 38072<br>new - FP-2 | –                | FP-2      | –                 | –         | –          |