Get the Low-Peak® Advantage

Want More
• Downtime Reduction
• Workplace Safety
• Code Compliance
...With Less Inventory?

Only From Cooper Bussmann
To meet these objectives we created the Cooper Bussmann® Low-Peak® family of current-limiting fuses for use in main, feeder and branch circuits (up to 600V), or for supplemental protection in equipment, panels or assemblies.

Unlike circuit breakers, Cooper Bussmann Low-Peak fuses are the overcurrent protection solutions that never require maintenance or calibration – providing constant, reliable performance.

More Downtime Reduction:
• Type 2 “No Damage” motor starter/controller protection prevents equipment damage.
• Faster troubleshooting with fuse indication – finding the problem circuit is now easier and faster.
• Low-Peak fuses are available in Class L, J, CC and RK1 to meet virtually all 600 volt system needs for overcurrent protection.

More Workplace Safety:
• Current-limiting feature minimizes incident energy to reduce arc-flash hazards to their lowest levels possible.
• Low-Peak CUBEFuse® is IP20 finger-safe.
• Interrupting ratings up to 300kA minimize the worst fault current conditions.

More Code Compliance:
• Low-Peak fuses help reduce fault currents to meet new assembly Short-Circuit Current Rating (SCCR) requirements.
• Selective coordination is easy with a 2:1 amp ratio between upstream and downstream Low-Peak fuses.

...With Less Inventory
• Reduce fuse inventory by up to 33 percent.
• Reduce buying, stocking and reordering.

In a fraction of a second, arcing faults can release tremendous energy. This can result in serious injury or death. Current-limiting Low-Peak fuses reduce the energy released to help improve worker safety and equipment protection.
The Easy Way to Enhance Protection With Less Fuse Inventory:

- Improves fuse availability
- Lowers costs
- Reduces downtime
- Reduces risk to people and property

Stock Only What You Need:
No waste, less confusion and fewer dollars tied up in inventory. Over time, it’s all too easy for fuse inventories to become troublesome with a mix of fuse brands and types that invite misapplications, and protection problems, with added cost.

A simplified inventory of Cooper Bussmann® Low-Peak fuses (and other Cooper Bussmann fuses for special requirements) will reduce the number of fuses you have to stock, which means you have less to buy and track. By stocking only one fuse type – Low-Peak – fuse replacement errors are minimized.

Safety Comes First – Protect Your People, Plant and Equipment:
Maximizing electrical safety and productivity involves applying the right circuit protection products and making it easy for personnel to perform their tasks quickly, efficiently and accurately.

Upgrade & Save
Find out how much you can reduce inventory and increase savings. Send us your current fuse inventory and use data - we’ll analyze it and provide you a recommended fuse consolidation Low-Peak Upgrade – along with a savings summary. Just go to:

www.cooperbussmann.com/lowpeak

Low-Peak® Upgrade Summary Report

Low-Peak Upgrade Program
Savings Summary

<table>
<thead>
<tr>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total # of Fuses on Block Unit</td>
<td>10</td>
</tr>
<tr>
<td>Unidentified Lines of NGG</td>
<td>5</td>
</tr>
<tr>
<td>Identifiable Blanks from Each Cross Column</td>
<td>73</td>
</tr>
<tr>
<td>Identifiable Blanks (Ungrouped) from Each Column</td>
<td>60</td>
</tr>
<tr>
<td>Unique Blanks (Ungrouped)</td>
<td>20</td>
</tr>
<tr>
<td>Low Blanks Eliminated</td>
<td>10</td>
</tr>
</tbody>
</table>

Net Savings (estimated): $125 in Savings!

This document provided by Barr-Thorp Electric Co., Inc.  800-473-9123  www.barr-thorp.com
The Cooper Bussmann® Low-Peak Fuses

Class L Fuses
KRP-C_SP Time-Delay

- **Minimum 4-Second Delay at 500% of Rated Amps:** Permits closer sizing to large motor and transformer loads without nuisance openings caused by high inrush currents.
- **High Interrupting Rating:** At 300kA permits fusing mains and feeders with plenty of interrupting capacity for future expansion of electrical system.

<table>
<thead>
<tr>
<th>Product</th>
<th>Volts</th>
<th>Amps</th>
<th>IR</th>
</tr>
</thead>
<tbody>
<tr>
<td>KRP-C</td>
<td>600Vac</td>
<td>601-6000A</td>
<td>300kA ac</td>
</tr>
<tr>
<td></td>
<td>300Vdc</td>
<td>601-2000A</td>
<td>100kA dc</td>
</tr>
</tbody>
</table>

Class RK1 Fuses
LPN-RK & LPS-RK Dual-Element, Time-Delay

- **Wire & Cable Protection:** Current let-through is kept below the ½ cycle withstand of most cables.
- **Lighting & Heating Loads:** Easy to size at just 125% of continuous load.
- **Motor Protection:** Provides Type 2 “No Damage” protection when properly sized. Dual-element permits sizing at only 130% of full load current, not 300% of traditional non-time-delay fuses. Current-limiting cuts short-circuit current off before it reaches dangerous levels.
- **Optional Open-Fuse Indication:** Permits faster troubleshooting for less downtime.

<table>
<thead>
<tr>
<th>Product</th>
<th>Volts</th>
<th>Amps</th>
<th>IR</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPN</td>
<td>250Vac</td>
<td>1/10-600A</td>
<td>300kA ac</td>
</tr>
<tr>
<td></td>
<td>125Vdc (0-60A)</td>
<td>100kA dc</td>
<td></td>
</tr>
<tr>
<td></td>
<td>250Vdc (70-600A)</td>
<td>100kA dc</td>
<td></td>
</tr>
<tr>
<td>LPS</td>
<td>600Vac</td>
<td>1/10-600A</td>
<td>300kA ac</td>
</tr>
<tr>
<td></td>
<td>300Vdc</td>
<td>100kA dc</td>
<td></td>
</tr>
</tbody>
</table>

For details on amp ratings, time-current curves and other specifications, see the following Data Sheets on line at [www.cooperbussmann.com/datasheets/ULCSA](http://www.cooperbussmann.com/datasheets/ULCSA):

<table>
<thead>
<tr>
<th>Class L</th>
<th>Data Sheet</th>
<th>Class J</th>
<th>Data Sheet</th>
<th>Class CC</th>
<th>Data Sheet</th>
</tr>
</thead>
<tbody>
<tr>
<td>KRP-C_SP</td>
<td>601-2000 amps</td>
<td>1008</td>
<td>LPJ_SP</td>
<td>0-60 amps</td>
<td>1006</td>
</tr>
<tr>
<td></td>
<td>2001-6000 amps</td>
<td>1009</td>
<td></td>
<td>70-600 amps</td>
<td>1007</td>
</tr>
<tr>
<td>LPN_RK_SP</td>
<td>250V 0-60 amps</td>
<td>1003</td>
<td>TCF* &amp; TCFH</td>
<td>1-100 amps</td>
<td>9000</td>
</tr>
<tr>
<td></td>
<td>250V 70-600 amps</td>
<td>1004</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LPN_RK_SPI</td>
<td>250V 70-600 amps with indication</td>
<td>1066</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LPS_RK_SP</td>
<td>600V 0-60 amps</td>
<td>1001</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>600V 70-600 amps</td>
<td>1002</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LPS_RK_SPI</td>
<td>600V 0-60 amps with indication</td>
<td>1061</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>600V 70-600 amps with indication</td>
<td>1064</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Class J Performance
**LPJ-SP upgrades the following:**

- A4J
- AJT
- CJ
- CJS
- GF8B
- HRCXXJ
- J
- JA
- JCL
- JDL
- JDL
- JFL
- JHS
- JKS
- JTD

If your Class J fuse application requires high-speed performance, ask for our DFJ drive fuse. It's the easy, drop-in replacement solution.

**Typical Applications**
- Branch circuit breaker panelboard mains
- Machinery disconnects
- Industrial control

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**Class J Fuses**

**LPJ-SP Dual-Element, Time-Delay**

- **Protecting Low IR Circuit Components:** High 300kA interrupting rating protects downstream circuit breakers and distribution blocks.
- **Motor Branch Circuit Protection:** Sizing at just 150% of motor full load current provides superior short-circuit protection.
- **Optional Open-Fuse Indication:** Permits faster troubleshooting for less downtime.

<table>
<thead>
<tr>
<th>Product</th>
<th>Volts</th>
<th>Amps</th>
<th>IR</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPJ</td>
<td>600Vac</td>
<td>1-600A</td>
<td>300kA ac</td>
</tr>
<tr>
<td></td>
<td>300Vdc</td>
<td>1-60A</td>
<td>100kA dc</td>
</tr>
</tbody>
</table>

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**Class J Performance Fuses & Fuse Holders**

**TCF Dual-Element, Time-Delay IP20 Finger-Safe**

Unique IP20 finger-safe Low-Peak CUBEFuse® and fuse holder system provides the same Class J performance and 300kA interrupting rating as the LPJ-SP.

- **Size-Rejecting Holders:** In 30, 60 and 100 amp versions help prevent overfusing.
- **Built-In Test Points:** Permits safely troubleshooting suspect circuits.

<table>
<thead>
<tr>
<th>Product</th>
<th>Volts</th>
<th>Amps</th>
<th>IR</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCF</td>
<td>600Vac</td>
<td>1-100A</td>
<td>300kA ac (UL) 200kA ac (CSA)</td>
</tr>
<tr>
<td></td>
<td>300Vdc</td>
<td></td>
<td>100kA dc</td>
</tr>
</tbody>
</table>

**Class CC**

**LP-CC Time-Delay Fuses**

- **Small Class CC Size:** Permits space saving branch circuit protection up to 30 amps.
- **Current-Limiting:** Provides fast response to damaging short-circuits with higher interrupting rating than is possible with circuit breakers.
- **200kA Interrupting Rating:** Helps assure future growth will not obsolete the electrical system.

<table>
<thead>
<tr>
<th>Product</th>
<th>Volts</th>
<th>Amps</th>
<th>IR</th>
</tr>
</thead>
<tbody>
<tr>
<td>LP-CC</td>
<td>600Vac</td>
<td></td>
<td>200kA ac</td>
</tr>
<tr>
<td></td>
<td>300Vdc</td>
<td>(3-15A)</td>
<td>20kA dc</td>
</tr>
</tbody>
</table>

**Typical Applications**
- Specialized circuits
- Industrial control
- Branch circuits
Electrical System Review for a Total System Approach

In addition to consolidating your fuse inventory for better protection with fewer fuses, Cooper Bussmann offers engineering services.

We provide the following engineering services:
- Short-circuit analysis
- Arc-flash hazard analysis
- Selective coordination studies

Whether a system is old or new, good electrical practice requires periodic assessment to assure maximum safety and reliability. For details on our engineering services, contact your Cooper Bussmann representative or call 636-207-3294.

OSCAR™ 2.0
Compliance Software
Compute Assembly SCCR Calculations with Ease & Confidence
www.cooperbussmann.com/OSCAR
Customer Assistance

Customer Satisfaction Team
The Cooper Bussmann® Customer Satisfaction Team is available to answer questions regarding Cooper Bussmann products and services. Calls should be made Monday – Friday, 8:00 a.m. – 4:30 p.m. for all US time zones.
The Customer Satisfaction Team can be reached via:
- Phone: 636-527-3877
- Toll-free fax: 800-544-2570
- E-mail: busscustsat@cooperindustries.com

Emergency and After-Hours Orders
To accommodate time-critical needs, Cooper Bussmann offers emergency and after-hours service for next flight out or will call. Customers pay only standard price for the circuit protection device, rush freight charges and a modest emergency fee for this service. Emergency and after-hours orders should be placed through the Customer Satisfaction Team. Call:
- Monday – Friday, 8:00 a.m. – 4:30 p.m.
  Central Time 636-527-3877
- After hours 314-995-1342

C³ – The Enhanced, Online Cooper Customer Center
Providing real time product availability, net pricing, order status and shipment tracking across six Cooper divisions: B-Line, Bussmann, Crouse-Hinds, Lighting, Power Systems & Wiring Devices. Available at:
- www.cooperc3.com
- 877-995-5955 for log-in assistance.

Application Engineering
Application Engineering assistance is available to all customers. The Application Engineering team is staffed by degreed electrical engineers and available by phone with technical and application support Monday – Friday, 8:00 a.m. – 5:00 p.m. Central Time.
Application Engineering can be reached via:
- Phone: 636-527-1270
- Fax: 636-527-1607
- E-mail: fusetech@cooperindustries.com

Services
- Engineering: electrical system review, arc-flash hazards, selective coordination, labeling requirements
- Training: electrical safety and safety programs, code compliance
- Testing: component testing for agency certifications

Contact us for more information on services:
- Phone: 636-207-3294
- E-mail: services@cooperindustries.com

Online Resources
Visit www.cooperbussmann.com for the following resources:
- Product cross reference
- Arc-flash calculator
- OSCAR™ 2.0 compliance software
- Training modules