Industry’s first modular fuse block simplifies design and enhances safety

Increase flexibility and electrical safety with Bussmann’s snap-together Class H(K), J, and R knifeblade fuse blocks.

As the only company with a complete portfolio of circuit protection solutions to meet every application need, Eaton and Bussmann offer unmatched leadership in circuit protection.

Leadership in Circuit Protection.

The only company

that can provide a complete circuit protection solution for all applications.

Only Eaton can deliver...

• The most diverse solutions to mitigate arc flash energy to keep people and equipment safe
• The smallest and most cost effective way to meet selective coordination requirements
• The most experienced, time-tested solutions to meet national & local code requirements
• The easiest specifications with the most tested fuse/circuit breaker and circuit breaker/circuit breaker series rated combinations
• The only one-stop shop to solve your design challenges using our expertise and an unmatched portfolio

The Eaton advantage.

Powering business worldwide

As a global diversified power management company, we help customers worldwide manage the power needed for buildings, aircraft, trucks, cars, machinery and businesses. Eaton’s innovative technologies help customers manage electrical, hydraulic and mechanical power more reliably, efficiently, safely and sustainably.

We provide integrated solutions that help make energy, in all its forms, more practical and accessible.

With 2012 sales of $16.3 billion, Eaton has approximately 103,000 employees around the world and sells products in more than 175 countries.

Eaton.com
Bussmann knifeblade fuse blocks offer advantages you can’t find anywhere else.

**Modularity**
The only snap-together design on the market permits assembly of required poles at point-of-use. Factory assembled two- and three-pole configurations are also available.

**Best Ratings**
All fuse blocks meet UL creep and clearance requirements for Industrial Control Circuits (UL 508, UL 845). 200 to 600A blocks meet the higher UL Industrial Power Distribution Standards (UL 98, UL 67, UL 489, UL 891, and UL 869A).

**Ease-of-Use**
Optional high-clarity, see-through finger-safe covers with test probe holes make routine maintenance activities easy. No need to open the cover to inspect wire terminations or to take thermography measurements. Available with any Class H(K), J or R fuse block.

**Safety**
For added safety and convenience, only Bussmann offers optional IP20 finger-safe covers across the entire knifeblade fuse block product line. Built-in lockout/tagout feature improves safety. Blown fuse indication option on fuse cover assists in troubleshooting, while standard phase barriers between poles enhance safety.

**QuikShip Services**
In stock for QuikShip Everyday Service - 90% of orders ship within 24 hours. QuikShip Emergency Service ensures availability 24/7, 365 with “Next flight out” courier service.
Knifeblade Fuse Block Features & Specifications

Features and Benefits

• Integral dovetails allow assembly of multiple poles at point-of-use for greater application flexibility
• Factory assembled two- and three-pole configurations available
• Up to four mounting holes per pole increase installation flexibility
• Standard phase barriers between poles for additional safety
• Design meets UL creep and clearance requirements for Industrial Power Circuits (UL 508 and UL 845)
• 200 to 600A blocks meet the higher UL creep and clearance requirements for Power Distribution Standards (UL 98, UL 67, UL 489, UL 891 and UL 869A)
• Optional IP20 finger-safe covers available on entire knifeblade fuse block product line:
  – High-clarity see-through covers allow for inspecting wire terminations or thermography measurements without removing cover
  – Probe holes included for easy, safer testing and troubleshooting
  – Built-in lockout/tagout feature improves safety
• Standard fuse clip reinforcing springs enhance electrical contact

Specifications

Agency information:
Blocks - UL - Listed cULus E14853 – IZLT & IZLT7
  CSA - Certified 47235 – 6225-01
Covers - UL - Listed UL E58836 – JDVS2

Ratings:
Volts - 250V, 600V
Amps - 70-600A
SCCR - 200kA (Class J & R)
  10kA (Class H & K)

Flammability ratings:
Blocks - UL 94V0, self-extinguishing
Covers - UL 94HB, self-extinguishing

Operating and storage temperature range:
Blocks - -40°C to 120°C
Covers - Non-indicating covers -40°C to 120°C
  - Indicating covers -20°C to 90°C

Materials:
Base - Thermoplastic
Box Lug Terminals - Tin-plated aluminum

Wire:
Cu/Al – 75°C/90°C (100 - 200A)
Cu/Al – 75°C only (400 - 600A)**

*Higher temperature rated wire can be used with appropriate derating.
**400A Class J double box lug rated for 75°C/90°C Cu/Al.

For more information visit www.cooperbussmann.com/KnifebladeFuseBlocks
Features

- **Optional see-through, snap-on cover for easy visual inspection**
- **Probe holes for easy testing without removing cover**
- **Finger grips on cover for easy removal**
- **Optional blown fuse indication speeds troubleshooting**
- **Lockout/tagout feature improves safety**
- **Vent slots improve cooling***
- **Multiple mounting holes for each pole provide flexible, secure mounting**
- **Standard phase barriers for additional safety**
- **Toolless interlocking modular design for easy point-of-use assembly**
- **Finger-safe wire entry with cutout tabs for larger wires on all versions**
- **600A Version**
  (double box lug standard for easier wiring with smaller, dual conductors)
- **400A Class J Version**
  (JM60400- MW22 with double box lug for easier wiring with smaller, dual conductors)

*No fuse derating necessary.
### Knifeblade Fuse Block Part Number Table - 250 and 600V Class H(K) & R

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Covers*</th>
<th>Number of Poles</th>
<th>Wire Range (fine stranded Cu)**</th>
<th>Torque N•m (Lb-in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HM25100-1CR</td>
<td>RM25100-1CR</td>
<td>w/o Indication</td>
<td>1-3 AWG; 4-6 AWG; 8 AWG</td>
<td>6.2 (55)</td>
</tr>
<tr>
<td>HM25100-2CR</td>
<td>RM25100-2CR</td>
<td>w/ Indication</td>
<td>2-6 AWG; 10-14 AWG</td>
<td>5.6 (50)</td>
</tr>
<tr>
<td>HM25100-3CR</td>
<td>RM25100-3CR</td>
<td></td>
<td>Cu 10-14 AWG; Al 10-12 AWG</td>
<td>5.1 (45)</td>
</tr>
<tr>
<td>HM25200-1CR</td>
<td>CVR-RH-25200</td>
<td></td>
<td>70-100</td>
<td>4.5 (40)</td>
</tr>
<tr>
<td>HM25200-2CR</td>
<td>CVR-RH-25200</td>
<td>1</td>
<td>600kcmil</td>
<td>4.0 (35)</td>
</tr>
<tr>
<td>HM25200-3CR</td>
<td>RM25200-3CR</td>
<td>2</td>
<td>500kcmil-4 AWG</td>
<td>3.1 (275)</td>
</tr>
<tr>
<td>HM25400-1CR</td>
<td>CVR-RH-25400</td>
<td></td>
<td>225-400</td>
<td>2.5 (275)</td>
</tr>
<tr>
<td>HM25400-2CR</td>
<td>CVR-RH-25400</td>
<td>1</td>
<td>600kcmil</td>
<td>2.5 (275)</td>
</tr>
<tr>
<td>HM25400-3CR</td>
<td>RM25400-3CR</td>
<td>2</td>
<td>500kcmil-4 AWG</td>
<td>2.5 (275)</td>
</tr>
<tr>
<td>HM25600-1CR</td>
<td>CVR-RH-25600</td>
<td></td>
<td>450-600</td>
<td>2.5 (275)</td>
</tr>
<tr>
<td>HM25600-2CR</td>
<td>CVR-RH-25600</td>
<td>1</td>
<td>(2) 500kcmil-4 AWG</td>
<td>2.5 (275)</td>
</tr>
<tr>
<td>HM25600-3CR</td>
<td>RM25600-3CR</td>
<td>2</td>
<td>450-600</td>
<td>2.5 (275)</td>
</tr>
<tr>
<td>HM60100-1CR</td>
<td>CVR-RH-60100</td>
<td></td>
<td>600</td>
<td>2.5 (275)</td>
</tr>
<tr>
<td>HM60100-2CR</td>
<td>CVR-RH-60100</td>
<td>1</td>
<td>600kcmil</td>
<td>2.5 (275)</td>
</tr>
<tr>
<td>HM60100-3CR</td>
<td>RM60100-3CR</td>
<td>2</td>
<td>500kcmil-4 AWG</td>
<td>2.5 (275)</td>
</tr>
<tr>
<td>HM60200-1CR</td>
<td>CVR-RH-60200</td>
<td></td>
<td>600</td>
<td>2.5 (275)</td>
</tr>
<tr>
<td>HM60200-2CR</td>
<td>CVR-RH-60200</td>
<td>1</td>
<td>600kcmil</td>
<td>2.5 (275)</td>
</tr>
<tr>
<td>HM60200-3CR</td>
<td>RM60200-3CR</td>
<td>2</td>
<td>500kcmil-4 AWG</td>
<td>2.5 (275)</td>
</tr>
<tr>
<td>HM60400-1CR</td>
<td>CVR-RH-60400</td>
<td></td>
<td>225-400</td>
<td>2.5 (275)</td>
</tr>
<tr>
<td>HM60400-2CR</td>
<td>CVR-RH-60400</td>
<td>1</td>
<td>600kcmil</td>
<td>2.5 (275)</td>
</tr>
<tr>
<td>HM60400-3CR</td>
<td>RM60400-3CR</td>
<td>2</td>
<td>500kcmil-4 AWG</td>
<td>2.5 (275)</td>
</tr>
<tr>
<td>HM60600-1CR</td>
<td>CVR-RH-60600</td>
<td></td>
<td>450-600</td>
<td>2.5 (275)</td>
</tr>
<tr>
<td>HM60600-2CR</td>
<td>CVR-RH-60600</td>
<td>1</td>
<td>(2) 500kcmil-4 AWG</td>
<td>2.5 (275)</td>
</tr>
<tr>
<td>HM60600-3CR</td>
<td>RM60600-3CR</td>
<td>2</td>
<td>450-600</td>
<td>2.5 (275)</td>
</tr>
</tbody>
</table>

*Covers sold separately. Blown fuse indication requires 90 volts minimum and closed circuit to operate.
**With easyID™ blown fuse indication.
***Ratings for copper and aluminum wire except where otherwise noted.
### Knifeblade Fuse Block Part Number Table - Class J

**Class J**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Covers*</th>
<th>Fuse Range (amps)</th>
<th>Number of Poles</th>
<th>Wire Range (solid and stranded)***</th>
<th>Wire Range (fine stranded)</th>
<th>Torque N•m (Lb-In)</th>
<th>Bussmann Fuses</th>
</tr>
</thead>
<tbody>
<tr>
<td>JM60100-1CR</td>
<td>CVR-J-60100 CVRI-J-60100</td>
<td>70-100</td>
<td>1</td>
<td>—</td>
<td>1-3 AWG</td>
<td>6.2 (55)</td>
<td></td>
</tr>
<tr>
<td>JM60100-2CR</td>
<td>CVR-J-60100 CVRI-J-60100</td>
<td>70-100</td>
<td>2</td>
<td>1/0-3 AWG; (2) Cu 4-6 AWG 4-6 AWG; (2) Cu 8 AWG 8 AWG; (2) Cu 10-14 AWG Cu 10-14 AWG; Al 10-12 AWG</td>
<td>4-6 AWG 8 AWG 4-6 AWG; (2) Cu 8 AWG</td>
<td>5.6 (50) 5.1 (45) 4.5 (40)</td>
<td></td>
</tr>
<tr>
<td>JM60100-3CR</td>
<td>CVR-J-60100 CVRI-J-60100</td>
<td>110-200</td>
<td>3</td>
<td>250 MCM-1 AWG 2-6 AWG; (2) Cu 2-6 AWG</td>
<td>3/0-1 AWG 2-6 AWG</td>
<td>42 (375) 31 (275)</td>
<td></td>
</tr>
<tr>
<td>JM60200-1CR</td>
<td>CVR-J-60200 CVRI-J-60200</td>
<td>600</td>
<td>1</td>
<td>—</td>
<td>600kcmil</td>
<td>57 (500)</td>
<td></td>
</tr>
<tr>
<td>JM60200-2CR</td>
<td>CVR-J-60200 CVRI-J-60200</td>
<td>225-400</td>
<td>2</td>
<td>500kcmil-4 AWG (2) Cu 3/0 - 4 AWG</td>
<td>500kcmil-4 AWG</td>
<td>51 (450) 57 (500) 34 (300)</td>
<td></td>
</tr>
<tr>
<td>JM60200-3CR</td>
<td>CVR-J-60200 CVRI-J-60200</td>
<td>450-600</td>
<td>3</td>
<td>350kcmil-1 AWG (2) 2 AWG - 6 AWG</td>
<td>N/A</td>
<td>42 (375) 51 (275)</td>
<td></td>
</tr>
<tr>
<td>JM60400-1CR</td>
<td>CVR-J-60400-M CVRI-J-60400-M</td>
<td>450-600</td>
<td>1</td>
<td>500kcmil-4 AWG</td>
<td>N/A</td>
<td>51 (450)</td>
<td></td>
</tr>
<tr>
<td>JM60400-2CR</td>
<td>CVR-J-60400-M CVRI-J-60400-M</td>
<td>450-600</td>
<td>2</td>
<td>500kcmil-4 AWG</td>
<td>N/A</td>
<td>51 (450)</td>
<td></td>
</tr>
<tr>
<td>JM60400-3CR</td>
<td>CVR-J-60400-M CVRI-J-60400-M</td>
<td>450-600</td>
<td>3</td>
<td>500kcmil-4 AWG</td>
<td>N/A</td>
<td>51 (450)</td>
<td></td>
</tr>
</tbody>
</table>

*Covers sold separately. Blown fuse indication requires 90 volts minimum and closed circuit to operate.

**With easyID™ blown fuse indication.**

***Ratings for copper and aluminum wire except where otherwise noted.

*400A Class J double box lug rated for 75°C/90°C Cu/Al.

**Double Box Lug Configurations**

- Allows for ease of installation with smaller, more flexible wire
- Capable of achieving maximum current rating with parallel copper or aluminum wires
- Standard on all 600A blocks
- Optional on 400A Class J blocks
- Compatible with IP20 finger-safe covers†

†For Class J 400A double box lug configuration, optional cover provides IP20 finger-safe protection for dual 350kcmil-1 AWG wires or one single 350kcmil-6 AWG wire.
Dimensions - mm (in)

70-100A

110-200A

225-400A

450-600A

For engineering drawings, go to www.cooperbussmann.com/KnifebladeFuseBlocks
Dimensions - mm (in)

70-100A

110-200A

225-400A

Optional Lug  Standard Lug

450-600A

For more information visit www.cooperbussmann.com/KnifebladeFuseBlocks
<table>
<thead>
<tr>
<th>Modular knifeblade fuse blocks with finger-safe covers</th>
<th>UL, IEC &amp; PV CH modular fuse holder series</th>
</tr>
</thead>
<tbody>
<tr>
<td>UL Type 1 NEMA 4X SPDs</td>
<td>Comb-bus bar accessories for CH Series fuse holders</td>
</tr>
<tr>
<td>IEC CH fuse holder series</td>
<td>CUBEFuse™ holder series</td>
</tr>
<tr>
<td>Class J CH fuse holder series</td>
<td>Open design ferrule fuse block series</td>
</tr>
<tr>
<td>Class J JTN 600 fuse holder series</td>
<td>Finger-safe, high SCCR power distribution blocks</td>
</tr>
<tr>
<td>Optima™ midget &amp; Class CC series</td>
<td>DIN-Rail terminal blocks</td>
</tr>
<tr>
<td>Open design Class CC &amp; midget series</td>
<td>Compact circuit protector fused disconnect switches</td>
</tr>
</tbody>
</table>
Customer Assistance

Customer Satisfaction Team
Available to answer questions regarding Bussmann products & services Monday-Friday, 7:00 a.m. – 6:00 p.m. Central Time. Contact:
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• Technical tools, like our arc flash calculator
• Where to purchase Bussmann product

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