## Fuse Holders and Blocks

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</tr>
<tr>
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</tr>
<tr>
<td>Fuse blocks for ( \frac{1}{4} ) X ( \frac{1}{4} )&quot; fuses</td>
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<tr>
<td>Fuse blocks for ( \frac{1}{16} )&quot; X ( \frac{1}{8} )&quot; fuses</td>
<td>290</td>
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<td>291</td>
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<tr>
<td><strong>RED indicates NEW information</strong></td>
<td>249</td>
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</tbody>
</table>
Optima® Fuse Holder Module and Disconnect Switch

OPM-1038 With Disconnect Switch

Catalog Number Build-A-Code

<table>
<thead>
<tr>
<th>Series</th>
<th>Fuse Type</th>
<th>Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPM-1038</td>
<td>SW</td>
<td>C = Communication Feature</td>
</tr>
</tbody>
</table>

Blank = 10 x 38mm or 13/32” x 1-1/2”
R = Class CC

Specifications

Description: 3-pole load break modular fuse holder and disconnect switch for 13/32” x 1 1/2” (10 x 38mm) fuses.

Dimensions: See Dimensions illustration.

Poles: 3

Agency Information: CE, UL (see table), CSA Certified, C22.2 No. 39, Class 6225-01, File 47235, IEC (see table).

Flammability Rating: UL 94V0.

Horsepower Rating of Switch

<table>
<thead>
<tr>
<th>Volts</th>
<th>240</th>
<th>480</th>
<th>600</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP</td>
<td>5</td>
<td>10</td>
<td>15</td>
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</table>

Recommended Fuse Types

<table>
<thead>
<tr>
<th>Class CC</th>
<th>Midget (Non-Rejection)</th>
<th>European</th>
</tr>
</thead>
<tbody>
<tr>
<td>LP-CC</td>
<td>KTK</td>
<td>C10M</td>
</tr>
<tr>
<td>KTK-R</td>
<td>FNQ-M</td>
<td>C10G</td>
</tr>
<tr>
<td>FNQ-R</td>
<td>FNQ</td>
<td></td>
</tr>
</tbody>
</table>

Physical Characteristics

- Small size matches 45mm IEC starter width
- Accepts #8-18 AWG stranded, #10-18 AWG solid wire
- 3-pole
- Handle and shaft required for through the door operation

Features/Benefits

- Padlockable with finger-safe terminals for safety. Qualified as IP20 per IEC 60529.
- Cam-action handle for easy module removal, offered with Class CC rejection clips or European 10 x 38mm clips to meet global needs
- Wire ready with 35mm DIN rail or screw panel mounting (#8 screw, 1 3/4” long) saves installation time
- Fuse indication lights with option for remote fuse status available. See Data Sheet for additional wiring details.

Typical Applications

- Industrial Control
- Process Control Systems
- Automated Warehouse Systems
- Individual Control Circuits

Dimensions

Catalog Numbers

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Electrical Rating</th>
<th>SCCR** Rating</th>
<th>Clips</th>
<th>Remote Open Fuse Indication</th>
<th>UL Information Std.</th>
<th>File</th>
<th>Guide</th>
<th>IEC</th>
<th>CE</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPM-1038SW</td>
<td>30A, 600Vac UL/CSA</td>
<td>Non-rejection, 10x38mm or 1/32” x 1 1/2”</td>
<td>No</td>
<td>Recognized</td>
<td>UL 508</td>
<td>E161278</td>
<td>NLRV2</td>
<td>IEC 60947-3</td>
<td>Yes</td>
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<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>OPM-1038RSW</td>
<td>30A, 600Vac UL/CSA</td>
<td>Rejection, Class CC</td>
<td>No</td>
<td>Listed</td>
<td>UL 508</td>
<td>E161278</td>
<td>NLRV</td>
<td></td>
<td>Yes</td>
</tr>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OPM-1038SWC</td>
<td>30A, 600Vac UL/CSA</td>
<td>Non-rejection, 10x38mm or 1/32” x 1 1/2”</td>
<td>Yes</td>
<td>Recognized</td>
<td>UL 508</td>
<td>E161278</td>
<td>NLRV2</td>
<td>IEC 60947-3</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
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<tr>
<td>OPM-1038RSWC</td>
<td>30A, 600Vac UL/CSA</td>
<td>Rejection, Class CC</td>
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<td>Listed</td>
<td>UL 508</td>
<td>E161278</td>
<td>NLRV</td>
<td></td>
<td>No</td>
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</table>

*Rating varies depending on fuse used in module; 100kA maximum
**Short-Circuit Current Rating

Data Sheet: 1103

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa
Optima® Fuse Holder Module

**OPM-1038**

**Catalog Number Build-A-Code**

<table>
<thead>
<tr>
<th>Series</th>
<th>Fuse Type</th>
<th>Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPM-1038</td>
<td>Blank = 10 x 38mm or $\frac{13}{32}'' \times 1 \frac{1}{2}''$</td>
<td>C = Communication Feature</td>
</tr>
</tbody>
</table>

**Specifications**

**Description:** 3-pole modular fuse holder for $\frac{13}{32}'' \times 1 \frac{1}{2}''$ (10 x 38mm) fuses.

**Dimensions:** See Dimensions illustration.

**Poles:** 3

**Agency Information:** CE, UL (see table), CSA Certified, C22.2 No. 4248, Class 6225-01, File 47235, IEC (see table).

**Flammability Rating:** UL 94V0.

**Recommended Fuse Types**

<table>
<thead>
<tr>
<th>Class CC</th>
<th>Midget (Non-Rejection)</th>
<th>European</th>
</tr>
</thead>
<tbody>
<tr>
<td>LP-CC</td>
<td>KTK</td>
<td>C10M</td>
</tr>
<tr>
<td>KTK-R</td>
<td>FNM</td>
<td>C10G</td>
</tr>
<tr>
<td>FNQ-R</td>
<td>FNQ</td>
<td></td>
</tr>
</tbody>
</table>

**Physical Characteristics**

- Small size matches 45mm IEC starter width
- Accepts #8-18 AWG stranded, #10-18 AWG solid wire
- 3-pole

**Features/Benefits**

- Padlockable with finger-safe terminals for safety. Qualified as IP20 per IEC 529.
- Cam-action handle for easy module removal.
- Offered with Class CC rejection clips or European 10 x 38mm clips to meet global needs
- Wire ready with 35mm DIN rail or screw panel mounting (#8 screw, 1 \(\frac{1}{4}''\) long) saves installation time
- Fuse indication lights with option for remote fuse status indication. See Data Sheet for additional wiring details.

**Typical Applications**

- Industrial Control
- Process Control Systems
- Automated Warehouse Systems
- Individual Control Circuits

**Dimensions**

- Small size matches 45mm IEC starter width
- Accepts #8-18 AWG stranded, #10-18 AWG solid wire
- 3-pole

**Catalog Numbers**

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Electrical Rating</th>
<th>SCCR** Rating</th>
<th>Clips</th>
<th>Remote Open Fuse Indication</th>
<th>UL Information Std.</th>
<th>Guide</th>
<th>IEC</th>
<th>CE</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPM-1038</td>
<td>30A, 600Vac/dc UL/CSA (Max 3 Watts per fuse) 32A, 660V IEC</td>
<td>-</td>
<td>Non-Rejection, 10 x 38mm or $\frac{13}{32}'' \times 1 \frac{1}{2}''$</td>
<td>No</td>
<td>Recognized UL 4248</td>
<td>E14853</td>
<td>IZLT</td>
<td>IEC 60269-2-1</td>
</tr>
<tr>
<td>OPM-1038R</td>
<td>30A, 600Vac/dc UL/CSA (Max 3 Watts per fuse) 32A, 660V IEC</td>
<td>200kA</td>
<td>Rejection, Class CC</td>
<td>No</td>
<td>Listed UL 4248</td>
<td>E14853</td>
<td>IZLT</td>
<td>Yes</td>
</tr>
<tr>
<td>OPM-1038C</td>
<td>30A, 600Vac/dc UL/CSA</td>
<td>-</td>
<td>Non-Rejection, 10 x 38mm or $\frac{13}{32}'' \times 1 \frac{1}{2}''$</td>
<td>Yes</td>
<td>Recognized UL 4248</td>
<td>E14853</td>
<td>IZLT2</td>
<td>IEC 60269-2-1</td>
</tr>
<tr>
<td>OPM-1038RC</td>
<td>30A, 600Vac/dc UL/CSA</td>
<td>200kA</td>
<td>Rejection, Class CC</td>
<td>Yes</td>
<td>Listed UL 4248</td>
<td>E14853</td>
<td>IZLT</td>
<td>No</td>
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</table>

*Rating varies depending on fuse used in module; 200kA maximum.

**Data Sheet:** 1102

For product data sheets, visit [www.cooperbussmann.com/datasheets/ulcsa](http://www.cooperbussmann.com/datasheets/ulcsa)
## Optima® Three-pole Overcurrent Protection Module

### Specifications

**Description:**
- **OPM-NG-SC3:** 3-pole Class CC fuse holder for use with Class CC fuses (Cooper Bussmann Types LP-CC, FNQ-R, KTK-R).
- **OPM-NG-SM3:** 3-pole fuse holder for use with ⅜" x 1¾" and 10.3 x 38mm fuses (Cooper Bussmann Types: ⅜" x 1¾"; KTK, FNQ, KLM, 10 x 38mm; FWA, FWC, C10G_ _, C10M_ _).

**Ratings:**
- Volts: — OPM-NG-SC3: 600Vac (or less)
- — OPM-NG-SM3: 600Vac (or less) UL and CSA 30A
- — OPM-NG-SM3: 690Vac (or less) IEC 32A
- Amps: — OPM-NG-SC3: 0-30A
- — OPM-NG-SM3: 0-30A
- SCCR: — OPM-NG-SC3: 200kA
- — OPM-NG-SM3: Same as fuse IR, 200kA maximum

**Agency Information:**
- CE, UL; OPM-NG-SC3 UL Listed, UL 4248, File E14853, Guide IZLT. OPM-NG-SM3, UL Recognized, UL 4248, File E14853, Guide IZLT2. CSA Certified, C22.2 No. 4248, Class 6225-01, File 47235. IEC 60947-3 Utilization Category AC20B.

**Handling & Storage Temperature:** -10° to 65°C.

### Features/Benefits
- 45mm width matches IEC starters
- 35mm DIN rail or panel mounting feature. Maximum screw size #8 (M4)
- Pressure plate terminations with dual-wire rated terminals (see Wire Table) and optional auxiliary contacts
- Integrated collapsible handle and fuse carrier cannot be removed from holder base
- Padlockable and IP20 finger-safe to IEC60529

### Typical Applications
- Mass Produced Control Systems
- Process Control Systems
- Automated Warehouse Systems
- Individual Control Circuits

### Fuse Holder Wire Range:
- 75°C Cu Only
- #18-12 Single/Dual, torque 15lb-in
- #10-8 Single/Dual, torque 20lb-in
- Dual wire with same gauge and type

<table>
<thead>
<tr>
<th>AWG</th>
<th>T</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>#18-8 x 1</td>
<td>1-6 x 1</td>
<td>18-12 Single/Dual (1.7 N•m)</td>
</tr>
<tr>
<td>#18-8 x 2</td>
<td>1-6 x 2</td>
<td>18-12 Single/Dual (1.7 N•m)</td>
</tr>
<tr>
<td>#10-8 x 1</td>
<td>1-6 x 1</td>
<td>10-8 Single/Dual (2.5 N•m)</td>
</tr>
<tr>
<td>#10-8 x 2</td>
<td>1-6 x 2</td>
<td>10-8 Single/Dual (2.5 N•m)</td>
</tr>
</tbody>
</table>

### Input Power Terminal Wire Range:
- **Wiring**
  - Solid: (1) #14 to #2 (1.5 to 25mm²) or conductor
  - Conductor: (2) #14 to #6 (1.5 to 10mm²) conductors
- **Tightening Torque**
  - Connector: 20lb-in (2.5 N•m)
  - Screw Clamp: 15lb-in (1.7 N•m)

**Materials:**
- **Housing:** Thermoplastic - ULV2
- **Clip:** Tin-plated copper alloy
- **Contact lubricant:** Fluoroether grease
- **Saddle screw:** Plated steel
- **DIN rail springs:** Stainless steel

### Optional Accessories:
- **Comb Bar (Max current rating = 63A)**
  - OPMNGSA245 2 circuit, 45mm between same phases
  - OPMNGSA254 2 circuit, 54mm between same phases
  - OPMNGSA272 2 circuit, 72mm between same phases
  - OPMNGSA345 3 circuit, 45mm between same phases
  - OPMNGSA354 3 circuit, 54mm between same phases
  - OPMNGSA445 4 circuit, 45mm between same phases
  - OPMNGSA454 4 circuit, 54mm between same phases
  - OPMNGSA472 4 circuit, 72mm between same phases
  - OPMNGSA554 5 circuit, 54mm between same phases

**Input Terminal Block (Max current rating = 63A)**
- OPMNGSA005 Input/Feed Through Power Terminal, Supports feed through to another system, DIN rail mount only
- OPMNGSA009 Input Power Terminal

**Cover**
- OPMNGSA010 Protective Cover for unused terminals on comb bar

**Auxiliary Contacts**
- OPMNGSAUX11 NO/NC
- OPMNGSAUX20 NO/NO

**Marking Tabs**
- OPMNGSA101 Marking Tab - Mounts to front of carrier, quantity 100

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Data Sheet: 1109

For product data sheets, visit [www.cooperbussmann.com/datasheets/ulcsa](http://www.cooperbussmann.com/datasheets/ulcsa)
Optima® Three-pole Overcurrent Protection Module

Optional Accessories

Dimensions Millimeters (± 0.38), Inches (± .015)

Data Sheet: 1109

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa
Fuse Holders and Blocks

Class J Modular Fuse Holders

CH _ _ J _

Specifications
Description: IP20 finger-safe, 1- to 3-pole Class J fuse holder with DIN rail or panel mounting.

Ratings:
Volts: — 600Vac/dc (or less)
Amps: — 30A (30A version)
— 60A (60A version)

Withstand Rating SCCR: — 200kA

Wire Range: Cu solid and stranded conductors with single (1-18AWG) and dual (3-18AWG) wire ratings. See Catalog Numbers table for details.

Torque Rating: 10-18AWG 24 lb-in.
— 1-8AWG 35 lb-in.

Poles: 1-, 2- or 3-Pole.

Storage & Operating Temperature Range*:
-20°C to 75°C.

Agency Information: CE, UL 4248/CSA 22.2 No. 4248.

Flammability Rating: UL 94V0.

Catalog Numbers
See Catalog Numbers table below.

Features and Benefits
• Choice of local fuse indication; easyID™ viewing window (for seeing indicator on LPJ-SPI indicating fuse) or neon lamp.
• Versatile 1-, 2- and 3-pole versions for 0-30A and 35-60A fuses with dual wire rated connections simplify wiring.
• Improved electrical safety with IP20 finger-safe construction with lock-out/tag-out feature. 3-phase fuse extraction assures all phases are opened for service work.
• Flexible panel/35mm DIN rail mounting mounting options

*For fuse selection on applications above or below 25ºC, consult derating charts in Cooper Bussmann publication "Selecting Protective Devices" (SPD).

Dimensions (mm):

<table>
<thead>
<tr>
<th>Fuse Size</th>
<th>Poles</th>
<th>W</th>
<th>D</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-30A</td>
<td>1</td>
<td>32</td>
<td>70</td>
<td>115</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>64</td>
<td>70</td>
<td>115</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>96</td>
<td>70</td>
<td>115</td>
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<tr>
<td>35-60A</td>
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<td>40</td>
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<td>125</td>
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<td></td>
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<td>120</td>
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<td>125</td>
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</tbody>
</table>

Catalog Numbers

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Amp Rating (AC/DC)</th>
<th>Volts (AC/DC)</th>
<th># of Poles</th>
<th>IP20 Finger-Safe</th>
<th>Mounting</th>
<th>Padlockable</th>
<th>Local Indication</th>
<th>AWG Wire Single Range</th>
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<tbody>
<tr>
<td>CH30J1</td>
<td>30</td>
<td>600</td>
<td>1</td>
<td>Yes</td>
<td>35mm DIN/ Panel</td>
<td>Yes</td>
<td>easyID**</td>
<td>1-18</td>
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<tr>
<td>CH30J1I</td>
<td>30</td>
<td>600</td>
<td>1</td>
<td>Yes</td>
<td>35mm DIN/ Panel</td>
<td>Yes</td>
<td>Neon Lamp***</td>
<td>1-18</td>
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<tr>
<td>CH30J2</td>
<td>30</td>
<td>600</td>
<td>2</td>
<td>Yes</td>
<td>35mm DIN/ Panel</td>
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<td>easyID**</td>
<td>1-18</td>
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<td>35mm DIN/ Panel</td>
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<td>1-18</td>
</tr>
<tr>
<td>CH30J3</td>
<td>30</td>
<td>600</td>
<td>3</td>
<td>Yes</td>
<td>35mm DIN/ Panel</td>
<td>Yes</td>
<td>easyID**</td>
<td>1-18</td>
</tr>
<tr>
<td>CH30J3I</td>
<td>30</td>
<td>600</td>
<td>3</td>
<td>Yes</td>
<td>35mm DIN/ Panel</td>
<td>Yes</td>
<td>Neon Lamp***</td>
<td>1-18</td>
</tr>
<tr>
<td>CH60J1</td>
<td>60</td>
<td>600</td>
<td>1</td>
<td>Yes</td>
<td>35mm DIN/ Panel</td>
<td>Yes</td>
<td>easyID**</td>
<td>1-18</td>
</tr>
<tr>
<td>CH60J1I</td>
<td>60</td>
<td>600</td>
<td>1</td>
<td>Yes</td>
<td>35mm DIN/ Panel</td>
<td>Yes</td>
<td>Neon Lamp***</td>
<td>1-18</td>
</tr>
<tr>
<td>CH60J2</td>
<td>60</td>
<td>600</td>
<td>2</td>
<td>Yes</td>
<td>35mm DIN/ Panel</td>
<td>Yes</td>
<td>easyID**</td>
<td>1-18</td>
</tr>
<tr>
<td>CH60J2I</td>
<td>60</td>
<td>600</td>
<td>2</td>
<td>Yes</td>
<td>35mm DIN/ Panel</td>
<td>Yes</td>
<td>Neon Lamp***</td>
<td>1-18</td>
</tr>
<tr>
<td>CH60J3</td>
<td>60</td>
<td>600</td>
<td>3</td>
<td>Yes</td>
<td>35mm DIN/ Panel</td>
<td>Yes</td>
<td>easyID**</td>
<td>1-18</td>
</tr>
<tr>
<td>CH60J3I</td>
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<td>600</td>
<td>3</td>
<td>Yes</td>
<td>35mm DIN/ Panel</td>
<td>Yes</td>
<td>Neon Lamp***</td>
<td>1-18</td>
</tr>
</tbody>
</table>

** easyID™ viewing window, requires use of Cooper Bussmann LPJ_SPI permanent indication fuses.

*** Indication non-fuse dependent, minimum voltage 90Vac/115Vdc.

Data Sheet: 2144

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa
Class J (Finger-safe) Fuse Holders

Safety J™ — J T(N)60030 & J T(N)60060

Specifications
Description: Indicating and non-indicating finger-safe, DIN rail mount fuse holders for use with Class J fuses - (Cooper Bussmann® LPJ, JKS).
Dimensions: See Dimensions illustrations.
Ratings:
Volts: — 600Vac
Amps: — 0-60A (JT(N)60060)
— 0-30A (JT(N)60030)
SCCR: — 200,000A RMS Sym.
— 300,000A self certified using Cooper Bussmann LPJ_SP fuses
Agency Information: CE, Listed to UL 4248: Guide IZLT, File 14853, CSA Certified: Class 6225-01, File 47235. IP20 per IEC 60529.
Flammability Rating: UL 94V0.
Indication: Min voltage: 90Vac, 115Vdc; neon lamp "ON" when fuse opens, voltage source and current path are present.
Terminations: 30A dual port torque 20lb-in, 60A single port torque 45lb-in, terminal construction, tin-plated copper alloy.
Wire Size: JT(N)60030 - rated for 75°C, AWG#18-#8; Cu only, JT(N)60060 - rated for 75°C, AWG#14-#4; Cu only.
(Note: For JT(N)60030 use both stranded or solid, in a variety of dual wire combinations of same wire size and type.)
Features and Benefits
• Short-Circuit Current Rating of 300,000A with Cooper Bussmann LPJ_SP fuses.
• Rapid, flexible 35 mm DIN rail mounting.
• One piece interlocking design for assembling multiple pole blocks reduces inventory costs.
• Removable fuse carrier allows fuse replacement away from base while maintaining finger-safe rating.

Typical Applications
• Industrial Controls
• Process Controls
• Small HP VFDs

Catalog Numbers

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Amps</th>
<th>Indication</th>
</tr>
</thead>
<tbody>
<tr>
<td>JT60030</td>
<td>30</td>
<td>Non-indicating</td>
</tr>
<tr>
<td>JT60060</td>
<td>60</td>
<td>Non-indicating</td>
</tr>
<tr>
<td>JTN60030</td>
<td>30</td>
<td>Indicating (Neon)</td>
</tr>
<tr>
<td>JTN60060</td>
<td>60</td>
<td>Indicating (Neon)</td>
</tr>
</tbody>
</table>
Class J (Finger-safe) Fuse Holders

Dimensions for JT60030 & JTN60030 — in (mm)

Dimensions for JT60060 & JTN60060 — in (mm)

JT(N)600 Series fuse blocks can be dovetailed together within the same current rating to provide multiple pole block configurations.

NOTE: JT(N)60030 cannot be dovetailed to JT(N)60060.

Data Sheet: 1152
# Global Modular Fuse Holders

## CH Series - 8x32, 10x38, 14x51, 22x58, Class CC

**Specifications**

**Description:** The ‘CH’ line of modular fuse holders accommodates many fuses from around the world, including North American Class-CC, Midget, Class gR, aR HSF, and IEC Industrial Ferrule (Class gG and aM) in four physical sizes: 8x32, 10x38, 14x51 and 22x58mm.

**Agency Information:** Manufactured in accordance with IEC 60269 and IEC 60947-3. Agency Compliance as indicated in the Catalog Numbers table.

**Features/Benefits**

- Optional open fuse indication (minimum 90Vac, 115Vdc for indicator lights)
- 14x51 & 22x58mm configurations available with optional micro-switches for remote open fuse indication, pre-breaking, and fuse presence
- Multi-phase connections available for ganging poles
- Low voltage indicating device available for CC and midget (48V)

## Modular Fuse Holder Selection Table (10 x 38 and CC)

### Part Numbers

<table>
<thead>
<tr>
<th>CHCC</th>
<th>Class CC</th>
<th>Catalog Numbers</th>
<th>Max Voltage &amp; Current</th>
<th>UL</th>
<th>IEC</th>
<th>Phase Configuration</th>
<th>No. of 17.5mm Modules*</th>
<th>Box Qty.</th>
<th>Terminal Rating</th>
<th>SCCR Rating</th>
<th>Cooper Bussmann Fuses</th>
</tr>
</thead>
</table>
| CHCC1D | - | CHCC1DI*** | UL 600Vac/dc, 30A | †† | 1-pole | 1 | 12 | 75º Cu Wire Only | 200kA | LP-CC, FNQ-R, KTK-
| CHCC2D | - | CHCC2DI*** | UL 600Vac/dc, 30A | †† | 2-pole | 2 | 6 | 75º Cu Wire Only | 200kA | LP-CC, FNQ-R, KTK-
| CHCC3D | - | CHCC3DI*** | UL 48Vac, 30A | †† | 3-pole | 3 | 4 | 75º Cu Wire Only | 200kA | LP-CC, FNQ-R, KTK-

<table>
<thead>
<tr>
<th>CHM</th>
<th>10X38 &amp; Midget</th>
<th>Catalog Numbers</th>
<th>Max Voltage &amp; Current</th>
<th>UL</th>
<th>IEC</th>
<th>Phase Configuration</th>
<th>No. of 17.5mm Modules*</th>
<th>Box Qty.</th>
<th>Terminal Rating</th>
<th>SCCR Rating</th>
<th>Cooper Bussmann Fuses</th>
</tr>
</thead>
</table>
| CHM1D | - | CHM1DI*** | UL 600Vac/dc, 30A | †† | 1-pole | 1 | 12 | 75º Cu Wire Only | 200kA | LP-CC, FNQ-R, KTK-
| CHM1DNX | - | CHM1DNI*** | UL 600Vac/dc, 30A | †† | 2-pole | 2 | 6 | 75º Cu Wire Only | 200kA | LP-CC, FNQ-R, KTK-
| CHM1DN | - | CHM1DNI** | UL 48Vac, 30A | †† | 3-pole + Neutral | 3 | 4 | 75º Cu Wire Only | 200kA | LP-CC, FNQ-R, KTK-
| CHM1D14 | - | CHM1DI-48*** | UL 48Vac, 30A | †† | 1-pole | 1 | 12 | 75º Cu Wire Only | 200kA | LP-CC, FNQ-R, KTK-

### Conductor Type and Torque - CH Series: CHCC, CHM & CHPV

<table>
<thead>
<tr>
<th>Wire Range</th>
<th>Conductor Type</th>
<th>75ºC Cu Wire Only</th>
<th>Conductors</th>
<th>Torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>18-12 AWG</td>
<td>Solid/Stranded</td>
<td>Single</td>
<td>20 lb-in</td>
<td>2.3 N-m</td>
</tr>
<tr>
<td>10 AWG (5.0mm²)</td>
<td>Solid</td>
<td>Single</td>
<td>25 lb-in</td>
<td>(2.8 N-m)</td>
</tr>
<tr>
<td>10-14 AWG (5.0 - 8.0mm²)</td>
<td>Stranded</td>
<td>Dual</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18-10 AWG (0.8 - 5.0mm²)</td>
<td>Solid</td>
<td>Single</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

† UL Recognized (cURus)
†† UL Listed (cULus)
††† Self Certified
*Holder width as compared to standard 17.5mm module, i.e., 1 = 17.5mm, 2 = 35mm.
**100V minimum required for illumination
***120V minimum required for illumination

For product data sheets, visit [www.cooperbussmann.com(datasheets/ulcsa)](http://www.cooperbussmann.com(datasheets/ulcsa))
## Global Modular Fuse Holders

### Modular Fuseholder Selection Table (8x32, 14x51, and 22x58)

#### Part Numbers

<table>
<thead>
<tr>
<th>W/O Indication</th>
<th>W/I Indication</th>
<th>Catalog Numbers</th>
<th>Max Voltage &amp; Current</th>
<th>IEC 400Vac 25A</th>
<th>IEC 690Vac 50A</th>
<th>UL/cURus, 600Vac/dc, (5 Watt) IEC 600Vac, 400V</th>
<th>UL/cURus, 600Vac/dc, 100A (9.5 Watt) IEC 690Vac, 125A</th>
<th>UL Recognized (cURus)</th>
<th>UL Listed (cULus)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH08 8X32</td>
<td></td>
<td>CH081D</td>
<td>1-pole</td>
<td>1-5</td>
<td>1-6</td>
<td>1-8</td>
<td>1-12</td>
<td>CH08 and CH14 Series</td>
<td>CH08 Series</td>
</tr>
<tr>
<td>CH08DNX</td>
<td>-</td>
<td>CH081DNI</td>
<td>1-Neutral Pole</td>
<td>1-6</td>
<td>1-12</td>
<td>1-8</td>
<td>1-12</td>
<td>CH08 Series</td>
<td>CH08 Series</td>
</tr>
<tr>
<td>CH081DN</td>
<td>CH081DNI</td>
<td>CH081DNS</td>
<td>1-neutral Pole + Neutral</td>
<td>2-5</td>
<td>2-6</td>
<td>2-4</td>
<td>2-4</td>
<td>CH08 Series</td>
<td>CH08 Series</td>
</tr>
<tr>
<td>CH082D</td>
<td>CH082DI</td>
<td>CH082DNS</td>
<td>3-3</td>
<td>3-4</td>
<td>4-3</td>
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<td>CH083DNS</td>
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<td>CH083DNS</td>
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<td>CH08 Series</td>
<td>CH08 Series</td>
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<td>CH084D</td>
<td>CH084DI</td>
<td>CH084DNS</td>
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<td>6-6</td>
<td>6-6</td>
<td>CH08 Series</td>
<td>CH08 Series</td>
</tr>
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<td>CH081DMS</td>
<td>-</td>
<td>CH081DNS</td>
<td>1-10</td>
<td>1-12</td>
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<td>1-12</td>
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<td>CH08 Series</td>
</tr>
<tr>
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<td>CH081DNI</td>
<td>CH081DNS</td>
<td>1-10</td>
<td>1-12</td>
<td>1-12</td>
<td>1-12</td>
<td>1-12</td>
<td>CH08 Series</td>
<td>CH08 Series</td>
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<td>CH141D</td>
<td>CH141DI</td>
<td>CH141DNS</td>
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<td>1-12</td>
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<td>CH08 Series</td>
</tr>
<tr>
<td>CH141DMS</td>
<td>-</td>
<td>CH141DNS</td>
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<td>1-12</td>
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<td>CH08 Series</td>
<td>CH08 Series</td>
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<td>CH142D</td>
<td>CH142DI</td>
<td>CH142DNS</td>
<td>2-2</td>
<td>2-2</td>
<td>3-2</td>
<td>3-2</td>
<td>3-2</td>
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<td>CH08 Series</td>
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<td>-</td>
<td>CH143DNS</td>
<td>3-3</td>
<td>3-4</td>
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<td>CH08 Series</td>
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### Accessories for CH Series

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Accessory</th>
<th>For Use with Fuse Holders</th>
<th>No. of Pol.</th>
<th>Carton Qty.</th>
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</thead>
<tbody>
<tr>
<td>AL-D</td>
<td>Multi-Phase Connection Links</td>
<td>CH08 and CH14 Series</td>
<td>–</td>
<td>12</td>
</tr>
<tr>
<td>JV-L</td>
<td>Multi-Phase Connection Kit***</td>
<td>CHM and CHCC Series</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>CH810-HP</td>
<td>Multi-Phase Handle Pins</td>
<td>CH08 Series</td>
<td>–</td>
<td>10</td>
</tr>
<tr>
<td>CH14-HP</td>
<td>Multi-Phase Handle Pins</td>
<td>CH14 Series</td>
<td>–</td>
<td>10</td>
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<tr>
<td>C08NL</td>
<td>Neutral Links</td>
<td>CH08 Series</td>
<td>–</td>
<td>10</td>
</tr>
<tr>
<td>CH14MS-3D</td>
<td>Neutral Links</td>
<td>CH14 Series</td>
<td>–</td>
<td>3</td>
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<tr>
<td>CH22LS</td>
<td>22x58 Lock Support</td>
<td>CH22 Series</td>
<td>–</td>
<td>5</td>
</tr>
<tr>
<td>CH22IP20</td>
<td>22x58 IP20 Protection Accessory</td>
<td>CH22 Series</td>
<td>–</td>
<td>12</td>
</tr>
</tbody>
</table>

†† UL Listed (cULus)

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For product data sheets, visit [www.cooperbussmann.com/datasheets/ulcsa](http://www.cooperbussmann.com/datasheets/ulcsa)
# SAMI™ Fuse Covers

## Specifications

**Description:** Indicating and non-indicating fuse covers for Class J, RK1, RK5, H, K5, CC, G (0-30A) and midget-type fuses. Indicating feature requires a minimum of 90Vac or 115Vdc to illuminate lamp. One cover required for each pole.

**WARNING:** To avoid electrical shock, turn power off before installing, removing or servicing.

**Dimensions:** See Dimensions illustration.

**Ratings:**

Volts:  
- Non-Indicating - 0-600Vac/dc  
- Indicating - 90 to 600Vac  
- 115 to 600Vdc

Amps: — 0-100A

**Agency Information:** CE, UL Listed; SAMI-1I through SAMI-6I, SAMI-8I and SAMI-9I, SAMI-1N through SAMI-6N, SAMI-8N and SAMI-9N, UL Recognized; SAMI-7I and SAMI-7N, CSA Certified, File LR47235-93C.

## Features and Benefits

- Insulated cover allows field conversion of fuses mounted in open fuse blocks to dead front configuration.
- Optional open fuse indicating light aids in system troubleshooting.
- Units are re-usable.
- Allows visual marking of line and load side of fuses.

## Typical Applications

- Class H, R and J fuse blocks up to 100A
- Class T fuse blocks up to 60A
- Class CC, G and Midget, 30A fuse blocks

## Dimensions

### Catalog Numbers

<table>
<thead>
<tr>
<th>Catalog Numbers*</th>
<th>Description</th>
<th>Dimensions (Inches)</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAMI-1_</td>
<td>600V, J (0-30A) and 600V, T (35-60A)**</td>
<td>5.02</td>
<td>1.03</td>
<td>1.94</td>
<td></td>
</tr>
<tr>
<td>SAMI-2_</td>
<td>250V, RK, K5, H (35-60A)</td>
<td>7.00</td>
<td>1.30</td>
<td>2.07</td>
<td></td>
</tr>
<tr>
<td>SAMI-3_</td>
<td>600V, J (65-100A)</td>
<td>7.03</td>
<td>1.30</td>
<td>2.33</td>
<td></td>
</tr>
<tr>
<td>SAMI-4_</td>
<td>250V, RK, K5, H (65-100A)</td>
<td>8.20</td>
<td>1.30</td>
<td>2.18</td>
<td></td>
</tr>
<tr>
<td>SAMI-5_</td>
<td>600V, RK, K5, H (35-60A)</td>
<td>8.20</td>
<td>1.30</td>
<td>2.18</td>
<td></td>
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<tr>
<td>SAMI-6_</td>
<td>600V, J (35-60A)</td>
<td>4.98</td>
<td>1.17</td>
<td>2.14</td>
<td></td>
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<tr>
<td>SAMI-7_</td>
<td>600V, Midget, Class CC, G (0-30A)</td>
<td>3.82</td>
<td>0.75</td>
<td>1.72</td>
<td></td>
</tr>
<tr>
<td>SAMI-8†</td>
<td>600V, RK1, K5, H (65-100A)</td>
<td>10.38</td>
<td>1.50</td>
<td>2.33</td>
<td></td>
</tr>
<tr>
<td>SAMI-9†</td>
<td>250V, RK, K5, H (0-30A) and 600V, T (0-30A)</td>
<td>3.82</td>
<td>0.75</td>
<td>1.72</td>
<td></td>
</tr>
</tbody>
</table>

---

*For indicating cover, add suffix 'I', for non-indicating cover, add suffix 'N'.

**Available in non-indicating only.

†SAMI-8A adapter available for small Fusetron® body design. SAMI-8I and SAMI-8N come standard with adapter (SAMI-8A).

††Not for use with KTS-R fuses.
# Fuse Holders and Blocks

## Class H(K) and R Fuse Blocks - 250V

### H250 & R250 Series

#### Specifications

**Descriptions:**

- **H250 Series:** 1-, 2- and 3-pole fuse blocks for use with Class H fuses.
- **R250 Series:** 1-, 2- and 3-pole fuse blocks for use with Class R fuses (Cooper Bussmann LPN-RK and FRN-R, DLN-R and KTN-R fuses).

#### Dimensions:

See Dimensions illustrations.

#### Ratings:

- **Volts:** — 250Vac/dc (H250 & R250 Series)
- **Amps:** — $\frac{1}{600}$A
- **SCCR:** — H250 Series: 10kA RMS Sym.
  
  — R250 Series: 200kA RMS Sym.

#### Agency Information:

- CE, UL Listed UL 4248, Guide IZLT, File E14853; CSA Certified, Class 6225-01, File 47235.
- **Flammability Rating:** UL 94V0.

#### Features and Benefits:

- H250 fuse blocks provide one, two and three pole housing for Class H, K and R fuses at 250Vac.
- H250 fuse blocks are listed with a Short-Circuit Current Rating of 10kA RMS Sym.
- R250 fuse blocks provide one, two and three pole housing for Class R fuses at 250Vac.
- R250 fuse blocks are listed with a Short-Circuit Current Rating of 200kA RMS Sym.

#### Typical Applications:

- 250Vac/dc or less Control Systems
- 250Vac/dc or less Industrial Control

### Recommended DIN rail adapters for the $\frac{1}{600}$-30A series

- see page 413.

## Class H Fuseblocks (250V) Catalog Data (for NON and REN Fuses)

<table>
<thead>
<tr>
<th>Amps</th>
<th>Poles</th>
<th>Catalog Number</th>
<th>Screw with Reinforced Spring</th>
<th>Box Lug w/</th>
<th>Wire Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>$\frac{1}{600}$ to 30</td>
<td>1</td>
<td>H25030-1 S</td>
<td>S, SR PR CR — Q</td>
<td>C, CR — 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>H25030-3 S</td>
<td>S, SR PR CR — —</td>
<td>C, CR — 3</td>
<td></td>
</tr>
<tr>
<td>31 to 60</td>
<td>1</td>
<td>H25060-1 —</td>
<td>— — — C, CR — CO</td>
<td>4, C, CR — 4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>H25060-3 —</td>
<td>— — — C, CR — CO</td>
<td>6, C, CR — 6</td>
<td></td>
</tr>
<tr>
<td>61 to 100</td>
<td>1</td>
<td>H25100-1 —</td>
<td>— — — C, CR — CO</td>
<td>7, C, CR — 7</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>H25100-2 —</td>
<td>— — — C, CR — CO</td>
<td>8, C, CR — 8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>H25100-3 —</td>
<td>— — — C, CR — CO</td>
<td>9, C, CR — 9</td>
<td></td>
</tr>
<tr>
<td>101 to 200</td>
<td>1</td>
<td>H25200-1 —</td>
<td>— — — C, CR — CO</td>
<td>10, CR 250kcmil-6 Cu/Ai</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>H25200-3 —</td>
<td>— — — C, CR — CO</td>
<td>11, CR 500kcmil-4 Cu/Ai</td>
<td></td>
</tr>
<tr>
<td>201 to 400</td>
<td>1</td>
<td>H25400-1 —</td>
<td>— — — C, CR — CO</td>
<td>12, CR 500kcmil-4 Cu/Ai</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>H25400-3 —</td>
<td>— — — C, CR — CO</td>
<td>13, CR 500kcmil-4 Cu/Ai</td>
<td></td>
</tr>
<tr>
<td>401 to 600</td>
<td>1</td>
<td>H25600-1 —</td>
<td>— — — C, CR — CO</td>
<td>14, CR 500kcmil-4 Cu/Ai</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>H25600-3 —</td>
<td>— — — C, CR — CO</td>
<td>15, CR 500kcmil-4 Cu/Ai</td>
<td></td>
</tr>
</tbody>
</table>

*UL Recognized, No CSA Certification.
†No UL, No CSA Certification.
Class H(K) and R Fuse Blocks - 250V

Class R Fuseblocks (250V) Catalog Data (for LPN-RK, FRN-R, DLN-R and KTN-R Fuses)

<table>
<thead>
<tr>
<th>Amps</th>
<th>Pole</th>
<th>Catalog Number</th>
<th>Terminal Type (Suffix No.)</th>
<th>Screw w/</th>
<th>Box Lug w/</th>
<th>0.25&quot; Quick-Connect</th>
<th>Fig. No.</th>
<th>Wire Range</th>
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<tbody>
<tr>
<td>1/4</td>
<td>1</td>
<td>R25030-1</td>
<td>—</td>
<td>SR, PR</td>
<td>CR, COR</td>
<td>QR*</td>
<td>1</td>
<td>COR #6-14 Cu Only</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>R25030-2</td>
<td>—</td>
<td>SR, PR</td>
<td>CR, COR</td>
<td>—</td>
<td>2</td>
<td>PR #10-18 Cu Only</td>
</tr>
<tr>
<td>30</td>
<td>3</td>
<td>R25030-3</td>
<td>—</td>
<td>SR, PR</td>
<td>CR, COR</td>
<td>—</td>
<td>3</td>
<td>SR #10-18 Cu Only</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>R25100-1</td>
<td>—</td>
<td>—</td>
<td>CR</td>
<td>—</td>
<td>4</td>
<td>CR #6-14 Cu Only</td>
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<tr>
<td></td>
<td>2</td>
<td>R25100-2</td>
<td>—</td>
<td>—</td>
<td>CR</td>
<td>—</td>
<td>5</td>
<td>CR #6-14 Cu, #6-8 Al</td>
</tr>
<tr>
<td>60</td>
<td>3</td>
<td>R25100-3</td>
<td>—</td>
<td>—</td>
<td>CR</td>
<td>—</td>
<td>6</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>R25110-1</td>
<td>—</td>
<td>—</td>
<td>CR</td>
<td>—</td>
<td>7</td>
<td>CR #6-14 Cu Only</td>
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<tr>
<td></td>
<td>2</td>
<td>R25110-2</td>
<td>—</td>
<td>—</td>
<td>CR</td>
<td>—</td>
<td>8</td>
<td>CR 1/0-8 Cu/Al</td>
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<tr>
<td>100</td>
<td>3</td>
<td>R25110-3</td>
<td>—</td>
<td>—</td>
<td>CR</td>
<td>—</td>
<td>9</td>
<td>—</td>
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<tr>
<td>101</td>
<td>1</td>
<td>R25200-1</td>
<td>—</td>
<td>—</td>
<td>CR</td>
<td>—</td>
<td>10</td>
<td>CR 250kcmil-6 Cu/Al</td>
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<tr>
<td></td>
<td>3</td>
<td>R25200-3</td>
<td>—</td>
<td>—</td>
<td>CR</td>
<td>—</td>
<td>11</td>
<td>—</td>
</tr>
<tr>
<td>200</td>
<td>3</td>
<td>R25400-3</td>
<td>—</td>
<td>—</td>
<td>CR†</td>
<td>—</td>
<td>12</td>
<td>CR 500kcmil-4/0 Cu/Al</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>R25400-1</td>
<td>—</td>
<td>—</td>
<td>CR†</td>
<td>—</td>
<td>13</td>
<td>CR 500kcmil-4/0 Cu/Al</td>
</tr>
<tr>
<td>400</td>
<td>3</td>
<td>R25400-3</td>
<td>—</td>
<td>—</td>
<td>CR†</td>
<td>—</td>
<td>14</td>
<td>—</td>
</tr>
<tr>
<td>401</td>
<td>1</td>
<td>R25600-1</td>
<td>—</td>
<td>—</td>
<td>CR†</td>
<td>—</td>
<td>15</td>
<td>—</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>R25600-3</td>
<td>—</td>
<td>—</td>
<td>CR†</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

*UL Recognized, No CSA Certification.
†No UL, No CSA Certification.
‡UL Recognized, CSA Certification

Dimensions - in
250V 1/2 to 30A

250V, 31A to 60A

Data Sheet: H250 Series, 1112; R250 Series, 1110

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa
Fuse Holders and Blocks

Class H(K) and R Fuse Blocks - 250V

250V, 61A to 100A

250V, 101A to 200A

250V, 201A to 400A

250V, 401A to 600A

Data Sheet: H250 Series, 1112; R250 Series, 1110

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa
Class H(K) and R Fuse Blocks - 600V

H600 & R600 Series

Specifications
Descriptions:
H600 Series: fuse blocks for use with 1-, 2- and 3-pole Class H fuses.
R600 Series: fuse blocks for use with 1-, 2- and 3-pole Class R fuses (Cooper Bussmann LPS-RK, FRS-R, DLS-R and KTS-R fuses).

Dimensions: See Dimensions illustrations.

Ratings:
Volts: — 600Vac/dc (H600 & R600 Series)
Amps: — ¼–600A
SCCR: — H600 Series; 10kA RMS Sym.
— R600 Series; 200kA RMS Sym.

Agency Information: CE, UL Listed UL 4248, Guide IZLT, File E14853; CSA Certified, Class 6225-01, File 47235.

Flammability Rating: UL 94V0.

Features and Benefits
• H600 fuse blocks provide one-, two- and three-pole housing for Class H, K and R fuses at 600Vac.
• H600 fuse blocks are listed with a Short-Circuit Current Rating of 10kA RMS Sym.
• R600 fuse blocks provide one, two and three pole housing for Class R fuses at 600Vac.
• R600 fuse blocks are listed with a Short-Circuit Current Rating of 200kA RMS Sym.

Typical Applications
• 600Vac/dc or less Control Systems
• 600Vac/dc or less Industrial Control
• 600Vac/dc or less Individual Control Circuits

Class H Fuseblocks (600V) Catalog Data (for NOS and RES Fuses)

<table>
<thead>
<tr>
<th>Amps</th>
<th>Poles</th>
<th>Catalog Type (Suffix No.)</th>
<th>Screw</th>
<th>Box Lug w/</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Terminal Type</td>
<td>(Suffix No.)</td>
<td>Clip with Reinforced Spring</td>
</tr>
<tr>
<td>1/4</td>
<td>1</td>
<td>1 H60030-1</td>
<td>—</td>
<td>S</td>
</tr>
<tr>
<td>to 2</td>
<td>2</td>
<td>2 H60030-2</td>
<td>S</td>
<td>P</td>
</tr>
<tr>
<td>30</td>
<td>3</td>
<td>3 H60030-3</td>
<td>S</td>
<td>P</td>
</tr>
<tr>
<td>31</td>
<td>3</td>
<td>3 H60030-3</td>
<td>S</td>
<td>P</td>
</tr>
<tr>
<td>to 60</td>
<td>2</td>
<td>2 H60100-2</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>61</td>
<td>3</td>
<td>3 H60100-3</td>
<td>—</td>
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<td>to 100</td>
<td>3</td>
<td>3 H60100-3</td>
<td>—</td>
<td>—</td>
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<tr>
<td>101</td>
<td>3</td>
<td>3 H60200-3</td>
<td>—</td>
<td>—</td>
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<tr>
<td>to 200</td>
<td>3</td>
<td>3 H60200-3</td>
<td>—</td>
<td>—</td>
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<tr>
<td>201</td>
<td>4</td>
<td>4 H60400-1</td>
<td>—</td>
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<tr>
<td>to 400</td>
<td>3</td>
<td>3 H60400-3</td>
<td>—</td>
<td>—</td>
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<td>401</td>
<td>4</td>
<td>4 H60600-1</td>
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<tr>
<td>600</td>
<td>3</td>
<td>3 H60600-3</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

†No UL, No CSA Certification.
‡UL Recognized, CSA Certification

Data Sheet: H600 Series, 1113; R600 Series, 1111

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa
Fuse Holders and Blocks

Class H(K) and R Fuse Blocks - 600V

Class R Fuseblocks (600V) Catalog Data (for LPS-RK, FRS-R, DLS-R and KTS-R Fuses)

<table>
<thead>
<tr>
<th>Amps</th>
<th>Poles</th>
<th>Catalog Number</th>
<th>Terminal Type (Suffix No.)</th>
<th>Wire Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/10</td>
<td>1</td>
<td>R60030-1</td>
<td>SR PR CR — — — — — — — —</td>
<td>COR #6-14 Cu Only</td>
</tr>
<tr>
<td>to 30</td>
<td>2</td>
<td>R60030-2</td>
<td>SR PR CR COR 2 2 CR — — —</td>
<td>CR #2-14 Cu, #2-12 Al</td>
</tr>
<tr>
<td>31</td>
<td>3</td>
<td>R60030-3</td>
<td>SR PR CR COR 3 3 PR, SR #10-18 Cu Only</td>
<td></td>
</tr>
<tr>
<td>to 60</td>
<td>4</td>
<td>R60060-1</td>
<td>— — CR — — — — — — — — — —</td>
<td>CR #2-14 Cu, #2-8 Al</td>
</tr>
<tr>
<td>61</td>
<td>5</td>
<td>R60060-2</td>
<td>— — CR — — — — — — — — — —</td>
<td>CR, 1/0-8 Cu/Al</td>
</tr>
<tr>
<td>to 100</td>
<td>6</td>
<td>R60060-3</td>
<td>— — CR — — — — — — — — — —</td>
<td>CR 250kcmil-6 CuAl</td>
</tr>
<tr>
<td>101</td>
<td>7</td>
<td>R60200-1</td>
<td>— — CR — — — — — — — — — —</td>
<td>CR 500kcmil-4 CuAl</td>
</tr>
<tr>
<td>to 200</td>
<td>8</td>
<td>R60200-2</td>
<td>— — CR — — — — — — — — — —</td>
<td>CR (2) 500kcmil-4/0 CuAl</td>
</tr>
<tr>
<td>201</td>
<td>9</td>
<td>R60200-3</td>
<td>— — CR — — — — — — — — — —</td>
<td>No UL, No CSA Certification.</td>
</tr>
<tr>
<td>to 400</td>
<td>10</td>
<td>R60400-1</td>
<td>— — CR — — — — — — — — — —</td>
<td>No UL, No CSA Certification.</td>
</tr>
<tr>
<td>to 600</td>
<td>12</td>
<td>R60400-3</td>
<td>— — CR — — — — — — — — — —</td>
<td>No UL, No CSA Certification.</td>
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Dimensionals - in

600V, 1/10 to 30A

600V, 31 to 60A

Data Sheet: H600 Series, 1113; R600 Series, 1111

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa
Fuse Holders and Blocks

Class H(K) and R Fuse Blocks - 600V

600V, 61 to 100A

600V, 101 to 200A

600V, 201 to 400A

600V, 401 to 600A

Data Sheet: H600 Series, 1113; R600 Series, 1111

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa
**Class J Fuse Blocks**

**J 600 Series**

**Specifications**

**Description:** 1-, 2- or 3-pole fuse blocks for use with Class J fuses (Cooper Bussmann® LPJ, DFJ and JKS).

**Dimensions:** See Dimensions illustrations.

**Construction:** Thermoplastic.

**Poles:** 1 to 3

**Ratings:**

Volts: — 600Vac/dc

Amps: — ¼-600A

SCCR: — 200kA RMS Sym.

**Agency Information:** CE, UL Listed, UL 4248, Guide IZLT, File E14853, CSA Certified, C22.2 No. 4248, Class 6225-01, File 47235.

**Flammability Rating:** UL 94V0.

**Mounting:** Accepts DIN rail adapter DRA-1.

---

**Features and Benefits**

- J600 fuse blocks provide one-, two- and three-pole housing for Class J fuses at 600Vac.
- J600 fuse blocks are listed with a Short-Circuit Current Rating of 200kA RMS Sym.

**Typical Applications**

- 600Vac/dc or less Control Systems
- 600Vac/dc or less Industrial Control
- 600Vac/dc or less Individual Control Circuits

---

**Catalog Numbers**

<table>
<thead>
<tr>
<th>Screw†</th>
<th>Pressure Plate†</th>
<th>Box Lug</th>
<th>Box Lug w/ Retaining Clip</th>
<th>Amps</th>
<th>Poles</th>
<th>Fig. No.</th>
<th>Wire Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>J60030-15*</td>
<td>J60030-1P</td>
<td>J60030-1C</td>
<td>J60030-1CR††</td>
<td>½-30</td>
<td>1</td>
<td>1</td>
<td>C, CR #2-14 Cu, #2-8 Al</td>
</tr>
<tr>
<td>J60030-25*</td>
<td>J60030-2P</td>
<td>J60030-2C</td>
<td>J60030-2CR††</td>
<td>31-60</td>
<td>2</td>
<td>2</td>
<td>COR #2-14 Cu Only</td>
</tr>
<tr>
<td>J60030-35*</td>
<td>J60030-3P</td>
<td>J60030-3C</td>
<td>J60030-3CR††</td>
<td>61-100</td>
<td>3</td>
<td>3</td>
<td>P, PR, S, SR #10-14 Cu Only</td>
</tr>
<tr>
<td>—</td>
<td>—</td>
<td>J60060-1C</td>
<td>J60060-1CR††</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>C, CR, #2-14 Cu/Al</td>
</tr>
<tr>
<td>—</td>
<td>—</td>
<td>J60060-2C</td>
<td>J60060-2CR††</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>COR #4-14 Cu Only</td>
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<tr>
<td>—</td>
<td>—</td>
<td>J60060-3C</td>
<td>J60060-3CR††</td>
<td>3</td>
<td>3</td>
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<td>COR 1/0-8 Cu Only</td>
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<tr>
<td>—</td>
<td>—</td>
<td>J60100-1CR</td>
<td>J60100-1CR††</td>
<td>61-100</td>
<td>3</td>
<td>3</td>
<td>CR 250kcmil-6 Cu/Al</td>
</tr>
<tr>
<td>—</td>
<td>—</td>
<td>J60200-1CR</td>
<td>J60200-1CR††</td>
<td>101-200</td>
<td>3</td>
<td>3</td>
<td>CR 500kcmil-4 Cu/Al</td>
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<td>—</td>
<td>—</td>
<td>J60400-1CR**</td>
<td>J60400-1CR**</td>
<td>201-400</td>
<td>3</td>
<td>3</td>
<td>CR (2) 500kcmil-4/0 Cu/Al</td>
</tr>
<tr>
<td>—</td>
<td>—</td>
<td>J60600-1CR</td>
<td>J60600-1CR</td>
<td>401-600</td>
<td>3</td>
<td>3</td>
<td>10</td>
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</table>

†Clip reinforcing springs are standard on fuse blocks rated 100A and above. Available on 30A and 60A blocks by adding the letter “R” to the end of the part number.

††Copper only connections available by changing “CR” suffix to “COR”.

*No UL, No CSA Certification

**Dimensions - in (±0.015)**

<table>
<thead>
<tr>
<th>½ - 60A</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.415”</td>
</tr>
<tr>
<td>1.750”</td>
</tr>
<tr>
<td>2.350”</td>
</tr>
<tr>
<td>2.350”</td>
</tr>
<tr>
<td>2.350”</td>
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<tr>
<td>4.050”</td>
</tr>
</tbody>
</table>

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**Data Sheet:** 1114
Fuse Holders and Blocks

Class J Fuse Blocks

101-200A

201-400A

401-600A

Data Sheet: 1114

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa
### Class J Fuse Blocks

#### J P Series

**Specifications**
- **Description:** Pyramid style 3-pole fuse block for use with Class J fuses (Cooper Bussmann® LPJ, DFJ, JKS).
- **Dimensions:** See Dimensions illustrations.
- **Ratings:**
  - Volts: — 600Vac/dc
  - Amps: — 0-30A
  - SCCR: — 200kA RMS Sym.
- **Agency Information:** CE, UL Listed, UL 4248, Guide IZLT, File E14853, CSA Certified, C22.2 No. 39, Class 4225-04, File 47235.
- **Flammability Rating:** UL 94V0.
- **Mounting:** Panel or 35mm DIN rail mount.

To order DIN rail: Part# NDNA 100 (1 meter) or NDNA 200 (2 meter).

#### Catalog Numbers

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Panel</th>
<th>DIN Rail Adapter</th>
<th>Screws</th>
<th>Pressure Plate</th>
<th>Box Lug</th>
<th>Wire Range</th>
</tr>
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<tbody>
<tr>
<td>J60030-3PR</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td>#10-14 Cu Only</td>
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</tr>
<tr>
<td>J60030-3CR</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td>#2-14 Cu/Al</td>
<td></td>
</tr>
<tr>
<td>J60030-3CRA</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td>#2-14 Cu/Al</td>
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<tr>
<td>J60030-CORA</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td>#2-14 Cu Only</td>
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</tr>
</tbody>
</table>

*Adapter only for DIN rail - Cat No. JPA-3.*

#### JA60030 Add-a-pole

**Specifications**
- **Description:** Adder fuse block to achieve number of poles desired, for use with Class J fuses (Cooper Bussmann LPJ, DFJ & JKS).
- **Dimensions:** See Dimensions illustrations.
- **Ratings:**
  - Volts: — 600Vac/dc
  - Amps: — 0-30A
  - SCCR: — 200kA RMS Sym.
- **Agency Information:** UL Listed, UL 4248, Guide IZLT, File E14853, CSA Certified, C22.2 No. 4248, Class 6225-01, File 47235.
- **Flammability Rating:** UL 94V0.
- **Mounting:** Panel or 35mm DIN rail mount.
- **Features:** Panel and DIN rail mount, adder block, retaining clip
Class T Fuse Blocks - 300V

T300

Specifications

Description: T300 (300V) fuse blocks for use with Class T fuses (Cooper Bussmann® JJN).

Dimensions: See Dimensions illustrations.

Poles: 1 to 4

Ratings:

Volts: — 300Vac/dc

Amps: — ½ - 600A

SCCR: — 200kA RMS Sym.


Flammability Rating: UL 94V0.

Features and Benefits

• Provide 1-, 2- and 3-pole housing for 300Vac Class T fuses.

• Short-Circuit Current Rating of 200kA RMS Sym.

• Class T fuse blocks have a small foot print, providing substantial space savings in equipment

Typical Applications

• 300Vac/dc or less Control Systems

• 300Vac/dc or less Individual Control Circuits

Catalog Numbers

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Dimensions (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2-30</td>
<td>2.41 — 1.03</td>
</tr>
<tr>
<td>1-60</td>
<td>3.44 1.03 2.06</td>
</tr>
<tr>
<td>2-60</td>
<td>4.47 2.06 3.09</td>
</tr>
</tbody>
</table>

Class T Fuse blocks (300V) Catalog Numbers

<table>
<thead>
<tr>
<th>Screw</th>
<th>Box Lug</th>
<th>Amps</th>
<th>Poles</th>
<th>Fig. No.</th>
<th>Wire Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>T30030-2SR</td>
<td>T30030-2CR</td>
<td>1⁄2-30</td>
<td>2</td>
<td>SR #10-18 Cu CR #6-14 Cu/Al</td>
<td></td>
</tr>
<tr>
<td>T30030-3SR</td>
<td>T30030-3CR</td>
<td>1-60</td>
<td>3</td>
<td>CR #2-14 Cu/Al SR #10-18 Cu Only</td>
<td></td>
</tr>
<tr>
<td>T30060-2SR</td>
<td>T30060-2CR</td>
<td>31-60</td>
<td>4</td>
<td>1/0-8 Cu/Al</td>
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<tr>
<td>T30060-CR</td>
<td>T30060-CR</td>
<td>31-60</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T30100-1C</td>
<td>T30100-1C</td>
<td>101-200</td>
<td>1</td>
<td>250kcmil-6 Cu/Al</td>
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<tr>
<td>T30100-3C</td>
<td>T30100-3C</td>
<td>201-400</td>
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<td>600kcmil-3/0 Cu/Al</td>
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<tr>
<td>T30600-1C</td>
<td>T30600-1C</td>
<td>401-600</td>
<td>1</td>
<td>(2) 600kcmil-4/0 Cu/Al</td>
<td></td>
</tr>
</tbody>
</table>

Dimensions - in

Figure 1. ½-60A

Data Sheet: 1115

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa
Fuse Holders and Blocks

Class T Fuse Blocks - 300V

Figure 2. 61 to 100A

Figure 3. 101 to 200A

Figure 4. 200A

Figure 5. 201 to 400A

Figure 6. 401 to 600A

Data Sheet: 1115

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa
Class T Fuse Blocks - 600V

T600

Specifications
Description: T600 (600V) fuse blocks for use with Class T fuses (Cooper Bussmann® JJS).
Dimensions: See Dimensions illustrations.
Poles: 1 to 3
Ratings:
Volts: — 600Vac/dc
Amps: — ½ - 600A
SCCR: — 200kA RMS Sym.
Flammability Rating: UL 94V0.

Features and Benefits
• Provide 1-, 2- and 3-pole housing for 600Vac Class T fuses.
• Short-Circuit Current Rating of 200kA RMS Sym.
• Class T fuse blocks have a small foot print, providing substantial space savings in equipment

Typical Applications
• 600Vac/dc or less Control Systems
• 600Vac/dc or less Individual Control Circuits

Dimensions - in

Figure 1. ½ to 30A

Catalog Numbers

<table>
<thead>
<tr>
<th>Screw</th>
<th>Box Lug</th>
<th>Catalog Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>T60030-1SR</td>
<td>T60030-1C</td>
<td>1/2-30</td>
</tr>
<tr>
<td>T60030-2SR</td>
<td>T60030-2C</td>
<td>1</td>
</tr>
<tr>
<td>T60030-3SR</td>
<td>T60030-3C</td>
<td>2</td>
</tr>
<tr>
<td>T60060-1SR</td>
<td>T60060-1CR</td>
<td>31-60</td>
</tr>
<tr>
<td>T60060-2SR</td>
<td>T60060-2CR</td>
<td>1</td>
</tr>
<tr>
<td>T60060-3SR</td>
<td>T60060-3CR</td>
<td>2</td>
</tr>
</tbody>
</table>


Data Sheet: 1116
Class T Fuse Blocks - 600V

**Figure 3. 61 to 100A**

**Figure 4. 101 to 200A**

**Figure 5. 201 to 400A**

**Figure 6. 401 to 600A**
Add-a-pole Fuse Blocks

BCA Series - Class CC fuses
BMA Series - 1/32" X 1 1/2" fuses

Specifications

Description: 1-, 2 and 3-pole fuse blocks for use with Class CC fuses (BCA Series use Cooper Bussmann® LP-CC, KTK-R, and FNQ-R), or with standard 1/32" x 1 1/2" fuses (BMA Series use Cooper Bussmann® KTK, FNQ, FNM, BAF, PV and AGU) Both Series use an "adder block" to form multi-pole segmented blocks to achieve the desired number of poles.

Dimensions: See Dimensions illustration.

Poles: 1 to 3.

Wire Range: #10-#18 Cu only.

Terminals: Screw/quick connect* or pressure plate/quick connect*.

Ratings:

Volts: — 600Vac/dc
Amps: — 1/10-30A
SCCR: — BCA Series: 200kA RMS Sym.
BMA Series: 10kA RMS Sym.

Agency Information:

CSA Certified, C22.2 No. 4248, Class 6225-01, File 47235.


Flammability Rating: UL 94V0

*Quick connect rated for 20A maximum.

Catalog Numbers

<table>
<thead>
<tr>
<th>BCA Series</th>
<th>Pole</th>
<th>Terminal Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCA603ASQ</td>
<td>Adder Block</td>
<td>Screw w/ quick connect</td>
</tr>
<tr>
<td>BCA6031SQ</td>
<td>1</td>
<td>Screw w/ quick connect</td>
</tr>
<tr>
<td>BCA6032SQ</td>
<td>2</td>
<td>Screw w/ quick connect</td>
</tr>
<tr>
<td>BCA6033SQ</td>
<td>3</td>
<td>Screw w/ quick connect</td>
</tr>
<tr>
<td>BCA603APQ</td>
<td>Adder Block</td>
<td>Pressure plate w/ quick connect</td>
</tr>
<tr>
<td>BCA6031PQ</td>
<td>1</td>
<td>Pressure plate w/ quick connect</td>
</tr>
<tr>
<td>BCA6032PQ</td>
<td>2</td>
<td>Pressure plate w/ quick connect</td>
</tr>
<tr>
<td>BCA6033PQ</td>
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<td>Pressure plate w/ quick connect</td>
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<table>
<thead>
<tr>
<th>BMA Series</th>
<th>Pole</th>
<th>Terminal Type</th>
</tr>
</thead>
<tbody>
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<td>Adder Block</td>
<td>Screw w/ quick connect</td>
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<tr>
<td>BMA6031SQ</td>
<td>1</td>
<td>Screw w/ quick connect</td>
</tr>
<tr>
<td>BMA6032SQ</td>
<td>2</td>
<td>Screw w/ quick connect</td>
</tr>
<tr>
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<td>Screw w/ quick connect</td>
</tr>
<tr>
<td>BMA603APQ</td>
<td>Adder Block</td>
<td>Pressure plate w/ quick connect</td>
</tr>
<tr>
<td>BMA6031PQ</td>
<td>1</td>
<td>Pressure plate w/ quick connect</td>
</tr>
<tr>
<td>BMA6032PQ</td>
<td>2</td>
<td>Pressure plate w/ quick connect</td>
</tr>
<tr>
<td>BMA6033PQ</td>
<td>3</td>
<td>Pressure plate w/ quick connect</td>
</tr>
</tbody>
</table>

Data Sheets: BCA Series 1154, BMA Series 1155

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa
**Fuse Holders and Blocks**

## Class CC, Type M and Class G Fuse Blocks

### BC Series

**Specifications**
- **Description**: Class CC fuse blocks for use with Class CC fuses (Cooper Bussmann LP-CC, KTK-R, and FNO-R).
- **Dimensions**: See Data Sheet 1105
- **Poles**: 1 to 3
- **Ratings**:
  - Volts: — 600V
  - Amps: — ¼-30A
  - SCCR: — 200kA RMS Sym.
- **Agency Information**: CE, UL Listed (Guide IZLT, File E14853), CSA (Class 6225-01, File 47235)
- **Flammability Rating**: UL 94V0
- **DIN Rail Adapters**: See page 413 for DRA-1 & DRA-2

### BM Series Type M

**Specifications**
- **Description**: Supplementary fuse blocks for use with any "¾" x 1½" fuses (Cooper Bussmann® KTK, FNQ, FN0, BAF, PV, and AGU).
- **Dimensions**: See Data Sheet 1104
- **Poles**: 1 to 3
- **DIN Rail Adapters**: See page 413 for DRA-1 & DRA-2
- **Ratings**:
  - Volts: — 600Vac/dc
  - Amps: — ¼-30A
  - SCCR: — 10kA RMS Sym.
- **Agency Information**: CE, UL Recognized (Guide IZLT2, File E14853), CSA (Class 6225-01, File 47235).
- **Flammability Rating**: UL 94V0.

### BG & G Series

**Specifications**
- **Description**: Class G fuse blocks for use with Class G fuses (Cooper Bussmann SC).
- **Dimensions**: See Data Sheet 1106
- **Poles**: 1 to 3
- **Ratings**:
  - Volts: — 600Vac/dc (0-20A)
  - — 480Vac/dc (25-60A)
  - Amps: — 1-60A (See Catalog Numbers table)
  - SCCR: — 100kA RMS Sym.
- **Agency Information**: CE, UL Listed 35-60A (Guide IZLT, File E14853), UL Recognized 1-30A, (Guide IZLT2, File E14853), CSA (Class 6225-01, File 47235).
- **DIN Rail Adapters**: See page 413 for DRA-1 & DRA-2.

#### Catalog Numbers

**Catalog Numbers**

<table>
<thead>
<tr>
<th>Screw</th>
<th>Terminal Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screw with Quick Connect*</td>
<td>Pressure Plate w/Quick Connect*</td>
</tr>
<tr>
<td>BCC6031S</td>
<td>BM6031SQ BM6031PQ BM6031B</td>
</tr>
<tr>
<td>BCC6032S</td>
<td>BM6032SQ BM6032PQ BM6032B</td>
</tr>
<tr>
<td>BCC6033S</td>
<td>BM6033SQ BM6033PQ BM6033B</td>
</tr>
</tbody>
</table>

**Data Sheet**: 1105

**BCCM Series**

**Description**: 3-pole fuse block for use with (2) Class CC fuses and (1) "¾" x 1½" fuse

#### Catalog Numbers

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Terminal Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCC6033SQ Screw with Quick-Connect*</td>
<td>BM6033SQ BM6033P BM6033B</td>
</tr>
<tr>
<td>BCC6033PQ Pressure Plate w/Quick-Connect*</td>
<td>BM6033PQ BM6033PQ BM6033B</td>
</tr>
</tbody>
</table>

*Quick-connect terminal rated for 20A max.

**Recommended Cover Puller**
- PF1-WH (White)
- PF1-BK (Black)

**Data Sheet**: 1104

**Recommended Cover Puller**
- PF1-WH (White)
- PF1-BK (Black)

**Data Sheet**: 1106

For product data sheets, visit [www.cooperbussmann.com/datasheets/ulcsa](http://www.cooperbussmann.com/datasheets/ulcsa)
Modular Fuse Blocks

BH Series

Specifications
Description: For use with Cooper Bussmann® high speed fuses.
Ratings:
SCCR: — 200kA RMS Sym. or fuse IR, whichever is lower.
Agency Information: CE, UL Recognized, Guide EZLT2, File No. E14853 up to 700V, CSA Certified, Class 6225-01, File No. 47235 up to 700V.

BH Series Features and Benefits
• BH fuse blocks provide a wide range of mounting configurations for Cooper Bussmann high speed fuses.
• BH fuse blocks have a Short-Circuit Current Rating of any installed fuse up to 200kA RMS Sym.

Typical Applications
• Solid State Control Circuits
• VFDs
• UPS Systems

Catalog Numbers
BH-0001 BH-0122 BH-2001 BH-3004
BH-0002 BH-1001 BH-2002 BH-3033
BH-0003 BH-1002 BH-2003 BH-3144
BH-0111 BH-1003 BH-2031 BH-3145
BH-0112 BH-1131 BH-2032
BH-0113 BH-1132 BH-2033
BH-0121 BH-1133 BH-3003

Refer to the data sheet numbers below for the catalog code description information.

Data Sheet: (BH-0) 1200; (BH-1) 1201; (BH-2) 1202; (BH-3) 1203

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa
Box Cover Units for Plug Fuses

SOU, SRU, SSN, SSU, SOW, SRW, SSW, SOX, SRX, SSX, SOY, SRY, SSY, SSY-RL, SSY-L, STY, SCY, SOY-B & SKA

Specifications
Description: Box covers for standard electrical boxes that provide fused outlet, fused switch or circuit fuse protection.

Ratings:
Volts: — 125V/250V (See Catalog Numbers table)
Amps: — 0-15A (See Catalog Numbers table)

Agency Information: CE, See Catalog Numbers table.

Features/Benefits
• Cooper Bussmann® Box Cover Units provide a low-cost method of controlling and protecting small motors when used with Cooper Bussmann® Type T, Fusetron®, dual-element fuses.
• Provide low-cost supplementary protection and disconnection of 125V or less, single phase circuits.

Typical Applications
• Fractional Horsepower, 125 Volt Single-Phase Motor Circuits
• General 125 Volt Supplemental Circuits

Catalog Numbers

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Type Box</th>
<th>Fuse holder3</th>
<th>Receptacle Outlet to Load</th>
<th>Switch</th>
<th>Switch Control1</th>
<th>Switch Light2</th>
<th>Motor Size3 (Max)</th>
<th>General Data</th>
<th>Agency Listing/Certification</th>
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</thead>
<tbody>
<tr>
<td>SOU X 21⁄4hp 125V, 15A UL, CSA</td>
<td>X</td>
<td>Single</td>
<td>125V, 250V</td>
<td>X</td>
<td>15A</td>
<td>125V, 15A</td>
<td>UL, CSA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SRU X 21⁄2hp 125V, 15A UL</td>
<td>X X</td>
<td>Double</td>
<td>125V, 250V</td>
<td>X</td>
<td>15A</td>
<td>125V, 15A</td>
<td>UL</td>
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<tr>
<td>SSU X 1⁄2hp 125Vac, (do not use on dc), 15A UL, CSA</td>
<td>X</td>
<td>Single</td>
<td>125V, 250V</td>
<td>X</td>
<td>15A</td>
<td>125Vac, (do not use on dc), 15A</td>
<td>UL, CSA</td>
<td></td>
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<tr>
<td>SOW X 1⁄2hp 125V, 15A UL, CSA</td>
<td>X</td>
<td>Single</td>
<td>125V, 250V</td>
<td>X</td>
<td>15A</td>
<td>125V, 15A</td>
<td>UL, CSA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SRW X 1⁄2hp 125V, 15A UL</td>
<td>X X</td>
<td>Double</td>
<td>125V, 250V</td>
<td>X</td>
<td>15A</td>
<td>125V, 15A</td>
<td>UL</td>
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<tr>
<td>SSW X 1⁄2hp 125Vac, (do not use on dc), 15A UL, CSA</td>
<td>X</td>
<td>Single</td>
<td>125V, 250V</td>
<td>X</td>
<td>15A</td>
<td>125Vac, (do not use on dc), 15A</td>
<td>UL, CSA</td>
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<td></td>
</tr>
<tr>
<td>SOX X 1⁄2hp 125V, 15A UL</td>
<td>X</td>
<td>Single</td>
<td>125V, 250V</td>
<td>X</td>
<td>15A</td>
<td>125V, 15A</td>
<td>UL</td>
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</tr>
<tr>
<td>SRY X 1⁄2hp 125V, 15A UL</td>
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<td>Double</td>
<td>125V, 250V</td>
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<td>15A</td>
<td>125V, 15A</td>
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<td>SRY X 1⁄2hp 125V, 15A UL</td>
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<td>125V, 250V</td>
<td>X</td>
<td>15A</td>
<td>125V, 15A</td>
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<td>125Vac, (do not use on dc), 15A</td>
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<td>SSY-RL 2hp 250V, 15A single phase</td>
<td>X X</td>
<td>Double</td>
<td>125V, protects two motors, 15A</td>
<td>X</td>
<td>15A</td>
<td>250V, 15A single phase</td>
<td>UL</td>
<td></td>
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<tr>
<td>STY 2hp 250V, protects two motors, 15A</td>
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<td>Single X</td>
<td>125V, protects two motors, 15A</td>
<td>X</td>
<td>15A</td>
<td>250V, 15A single phase</td>
<td>UL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCY 2hp 250V, protects two motors, 15A</td>
<td>X</td>
<td>Single X</td>
<td>125V, protects two motors, 15A</td>
<td>X</td>
<td>15A</td>
<td>250V, 15A single phase</td>
<td>UL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOY-B 2hp 250V, protects two motors, 15A</td>
<td>X</td>
<td>Single X</td>
<td>125V, protects two motors, 15A</td>
<td>X</td>
<td>15A</td>
<td>250V, 15A single phase</td>
<td>UL</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 Switch turns power to fused load OFF or ON.
2 Switch light indicates power to load (dark when switch OFF or fuse open).
3 Double pole switch opens both sides of circuit. Can be used for two separate motors with common switch or a single motor (1hp, 250Vac max.).
4 UL Guide JAMZ, File IE6491; CSA Class 6225-01. File 47235.

Data Sheet: 1129
In-line Fuse Holders for ¼" x ⅜" to 1¼" Fuses

**HFB & HFB-10**

**Specifications**
- **Description:** Waterproof in-line fuse holder for ¼" x 1¼" fuses.
- **Dimensions:** See Dimensions illustration.
- **Construction:** Thermoplastic rubber body with tin-plated, copper contacts.
- **Ratings:**
  - Volts: — 32V
  - Amps: — 30A max

**Catalog Numbers**
- HFB*
  - Standard Pack (10-in)
  - BK/HFB: Bulk Pack (100-in)
- BK/1A2294: HFB Replacement Contact Clip
- 1A2294-01: HFB-10**: Replacement Contact Clip

*HFB accepts #12 to #16 wire leads (not provided). See Data Sheet for recommended crimp tools.

**Features/Benefits**
- Simple assembly with one-piece thermoplastic (important information molded into body)
- High visibility yellow color for easy identification in dark or hard-to-access locations
- Ideal for shock and vibration environments; withstands many organic solvents; temperature range -40/+150°C

**Typical Applications**
- Supplemental, Low Voltage, Low Amperage Control Circuits

**Dimensions - in (mm)**
- 3" (76.2mm)
- 0.75" (19.1mm)

Data Sheet: 2102

**HHB**

**Specifications**
- **Description:** Universal in-line fuse holder for ¼" x ⅜", 1" and 1¼" fuses.
- **Dimensions:** See Dimensions illustration.
- **Construction:** Nylon body with tin-plated, copper contacts.
- **Ratings:**
  - Volts: — 32V
  - Amps: — 30A max

**Features and Benefits**
- HHB: Universal in-line fuse holder for ¼" x ⅜", 1" and 1¼" fuses.

**Typical Applications**
- Supplemental, Low Voltage, Low Amperage Control Circuits

**Catalog Numbers**
- HHB-R*
  - Standard Pack (10-in)
  - BK/HHB-R: Bulk Pack (100-in)

*Four springs furnished with fuse holder to accommodate different length ¼" fuses.

**Dimensions - in (mm)**
- Fuse Length: 2.420 Max
- Fuse Holder Length “L”
  - ⅛" (AGW): 2.100 Max
  - 1" (AGX): 2.250 Max
  - 1¼" (AGC, MDL): 2.420 Max

Data Sheet: 2103

**HRK**

**Specifications**
- **Description:** Universal in-line fuse holder for ⅜" x ⅜", 1" and 1¼" fuses with #14 lead wires.
- **Dimensions:** See Dimensions illustration.
- **Construction:** 8" (203mm) #14 lead wires.
- **Ratings:**
  - Volts: — 32V
  - Amps: — 15A max

**Features and Benefits**
- HRK: Universal in-line fuse holder for ⅜" x ⅜", 1" and 1¼" fuses with #14 lead wires.
- RoHS compliant

**Typical Applications**
- Supplemental, Low Voltage, Low Amperage Control Circuits

**Catalog Numbers**
- Holder — without leads* - RoHS compliant
  - BK/HRK-R: Standard Pack (10-in)
  - BK/HHB-R: Bulk Pack (100-in)

*Accepts #12 to #16 wire leads (not provided with basic fuse holder). See Data Sheet for recommended crimp tools.

**Dimensions - in (mm)**
- 0.38" (9.5mm)
- 0.75" (19.1mm)
- 2.19" (55.6mm)
- 1.56" (39.7mm)
- 0.69" (17.5mm)

Data Sheet: 2111

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa
In-line Fuse Holders

**HR and HM Series**

**Specifications**

**Description:** In-line fuse holders for SFE and \(\frac{1}{4}\)" dia. x various length fuses.

**Dimensions:** See Dimensions illustration.

**Ratings:**

Volts: — 32V
Amps: — 20A

**Features and Benefits**

• HR and HM Universal in-line fuse holder for SFE and various length \(\frac{1}{4}\)" diameter fuses with #14 lead wires.

**Typical Applications**

• Supplemental, Low Voltage, Low Amperage Control Circuits

**Catalog Numbers**

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Includes Fuse</th>
<th>Wire Length &amp; Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>HRU*</td>
<td>SFE-20</td>
<td>19&quot; of #14</td>
</tr>
<tr>
<td>HRI</td>
<td>SFE-14</td>
<td></td>
</tr>
<tr>
<td>HRFH</td>
<td>SFE-9</td>
<td></td>
</tr>
<tr>
<td>HRE</td>
<td>SFE-7½</td>
<td></td>
</tr>
<tr>
<td>HRG</td>
<td>SFE-6</td>
<td></td>
</tr>
<tr>
<td>HMF</td>
<td>SFE-4</td>
<td></td>
</tr>
<tr>
<td>HMJ*</td>
<td>SFE-20</td>
<td>8&quot; of #14</td>
</tr>
<tr>
<td>MHI</td>
<td>SFE-14</td>
<td></td>
</tr>
<tr>
<td>HMIH</td>
<td>SFE-9</td>
<td></td>
</tr>
<tr>
<td>HME</td>
<td>SFE-7½</td>
<td></td>
</tr>
<tr>
<td>HME</td>
<td>SFE-6</td>
<td></td>
</tr>
<tr>
<td>HMG</td>
<td>SFE-4</td>
<td></td>
</tr>
</tbody>
</table>

* Also available as in-line fuse holder only with lead wire contacts, HRJ-LESS-Fuse.

**HFA Series**

**Specifications**

**Description:** In-line water-resistant fuse holders for \(\frac{1}{4}\)" x \(\frac{3}{4}\)" fuses.

**Dimensions:** See Dimensions illustration.

**Construction:** Phenolic body with copper crimp contact leads.

**Ratings:**

Volts: — 250V
Amps: — 20A

**Agency Information:** CE, UL Recognized, (Guide IZLT2, File E14853) UL.

**Flammability Rating:** UL 94HB.

**Features and Benefits**

• HFA in-line, water-resistant fuse holder for \(\frac{3}{4}\)" x \(\frac{1}{4}\)" fuses.

**Typical Applications**

• Supplemental, Low Voltage, Low Amperage Control Circuits

Refer to data sheet for recommended crimp tools

**Catalog Numbers**

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Terminal</th>
<th>Wire Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFA Crimp #12</td>
<td>#16</td>
<td></td>
</tr>
</tbody>
</table>
| HFA-HH* Quick Connect | #10 | No UL Recognition.

**Replacement Contacts**

**Catalog Number**

<table>
<thead>
<tr>
<th>Symbol</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HJU-A</td>
<td>9838</td>
</tr>
<tr>
<td>HJU-B</td>
<td>9841</td>
</tr>
</tbody>
</table>

**Dimensions - in (mm)**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>HFA - Crimp #12 &amp; #16</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.19&quot;</td>
<td>(55.6mm)</td>
</tr>
<tr>
<td>0.70&quot;</td>
<td>(17.2mm)</td>
</tr>
<tr>
<td>0.56&quot;</td>
<td>(13.5mm)</td>
</tr>
</tbody>
</table>

**Data Sheet:** 2122

---

**HHT Series**

**Specifications**

**Description:** In-line fuse holders for 5 x 15mm or 5 x 20mm fuses.

**Dimensions:** See Dimensions illustration.

**Construction:** Black thermoplastic body with brass contacts, wire: 16 AWG, red.

**Ratings:**

Volts: — 32V
Amps: — 5A (5 x 15mm) — 10A (5 x 20mm)

**Features and Benefits**

• HHT in-line fuse holders for 5 x 15mm and 5 x 20 mm fuses.

**Typical Applications**

• Supplemental, Low Voltage, Low Amperage Control Circuits

**Catalog Numbers**

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Fuse Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>HHT</td>
<td>5 x 15mm &amp; 5 x 20mm</td>
</tr>
</tbody>
</table>

**Dimensions - in**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>HHT - 5 x 15mm &amp; 5 x 20mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.111&quot;(2.82mm)</td>
<td>(IN ASSEMBLED POSITION)</td>
</tr>
<tr>
<td>1.40&quot;(35.6mm)</td>
<td>WIRE LENGTH: 13 x 0.5&quot;</td>
</tr>
<tr>
<td>0.42&quot;(10.5mm)</td>
<td>0.111&quot;(2.82mm)</td>
</tr>
</tbody>
</table>

**Data Sheet:** 2115

---

**Data Sheet:** 2138

For product data sheets, visit [www.cooperbussmann.com/datasheets/ulcsa](http://www.cooperbussmann.com/datasheets/ulcsa)
HEG Series

Specifications

Description: Single-pole, non-breakaway, in-line fuse holders for Type SC fuses, 480V (or less).

Ratings:

Volts: — 600V
Amps: — 0-15A

Fuse Size: \( \frac{3}{32} \)" x 1.31"

Catalog Number

HEG-AA

Optional Boots:

2A0660   Single Conductor
2A0661   Two Conductor

Data Sheet: 2124

HEH Series

Specifications

Description: Single-pole, non-breakaway, in-line fuse holders for Type SC fuses (Also fuse types BBS & KTQ, nominal size \( \frac{3}{32} \)" x 1 \( \frac{3}{4} \)).

Ratings:

Volts: — 600V
Amps: — 0-20A

Agency Information: CSA - 15A.

Catalog Numbers

HEH-AA, HEH-BB, HEH-AD

Optional Boots:

2A0660   Single Conductor
2A0661   Two Conductor

Data Sheet: 2124

HEC Series

Specifications

Description: Single-pole, non-breakaway, in-line fuse holders for Type SC-25, & SC-30 fuses, size \( \frac{3}{32} \)" x 1 \( \frac{3}{4} \).''

Ratings:

Volts: — 480V
Amps: — 0-30A

Catalog Numbers

HEC-AA, HEC-RW-RLB-R

Optional Boots:

2A0660   Single Conductor
2A0661   Two Conductor

Data Sheet: 2124

HEJ Series

Specifications

Description: Single-pole, non-breakaway, in-line fuse holders for Type SC and Type HVW fuses, size \( \frac{3}{32} \)" x 2 \( \frac{3}{4} \).''

Ratings:

Volts: — 480V
Amps: — 35-60A Type SC — ½-6A Type HVW

Catalog Numbers


Optional Boots:

2A0660   Single Conductor
2A0661   Two Conductor

Data Sheet: 2123

HEB Series

Specifications

Description: Single-pole in-line fuse holders for any \( \frac{3}{32} \)" x 1 \( \frac{1}{2} \) fuses (typically fuse types: BAF, FNM, FNQ, and KTK ½ - 30A).

Ratings:

Volts: — 600V
Amps: — 0-30A

Catalog Numbers

See Page 280

Data Sheet: 2127

HET Series

Specifications

Description: Single-pole in-line fuse holders for \( \frac{3}{32} \)" x 1 \( \frac{2}{3} \) fuses with a permanently solid neutral identified by white plastic coupling nut.

Catalog Numbers


Data Sheet: 2125

HEY Series

Specifications

Description: Double-pole in-line fuse holders for KTK-R fuses with optional break-away receptacle, polarized, and accepting Class CC branch circuit fuses (Cooper Bussmann® KTK-R, FNQ-R & LP-CC; 600V or less, 200,000A IR).

Ratings:

Volts: — 600V
Amps: — 0-30A

Catalog Numbers

HEY-AA, HEY-AB, HEY-AC, HEY-JJ, HEY-JK, HEY-KK

Data Sheet: 2126

HEX Series

Specifications

Description: Double-pole in-line fuse holders for \( \frac{3}{32} \)" x 1 \( \frac{1}{2} \) fuses (typically fuse types BAF, FNM, FNQ, and KTK ½ - 30A).

Ratings:

Volts: — 600V
Amps: — 0-30A

Catalog Numbers


Data Sheet: 2126

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa
## For HEB Holders Only

Directions: To select complete holder P/N, work from left to right starting with loadside terminal options and then lineside terminal options. Then determine breakaway or non-breakaway style.

<table>
<thead>
<tr>
<th>Loadside Terminal</th>
<th>Lineside Terminal</th>
<th>Available P/N’s</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Terminal Type</strong></td>
<td><strong>Loadwire</strong></td>
<td><strong>Linewire</strong></td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td><strong>Wire Size</strong></td>
<td><strong>Solid Wire</strong></td>
</tr>
<tr>
<td>Copper</td>
<td>#12 to #8</td>
<td>1 Y Y</td>
</tr>
<tr>
<td>Crimp</td>
<td>#12</td>
<td>2 Y Y</td>
</tr>
<tr>
<td>Copper</td>
<td>#12 to #8</td>
<td>1 Y Y</td>
</tr>
<tr>
<td>Crimp</td>
<td>#12</td>
<td>2 Y Y</td>
</tr>
<tr>
<td>Copper</td>
<td>#12 to #8</td>
<td>1 Y Y</td>
</tr>
<tr>
<td>Crimp</td>
<td>#12</td>
<td>2 Y Y</td>
</tr>
<tr>
<td>Copper</td>
<td>#12 to #8</td>
<td>1 Y Y</td>
</tr>
<tr>
<td>Crimp</td>
<td>#12</td>
<td>2 Y Y</td>
</tr>
<tr>
<td>Copper</td>
<td>#12 to #8</td>
<td>1 Y Y</td>
</tr>
<tr>
<td>Crimp</td>
<td>#12</td>
<td>2 Y Y</td>
</tr>
<tr>
<td>Copper</td>
<td>#12 to #8</td>
<td>1 Y Y</td>
</tr>
<tr>
<td>Crimp</td>
<td>#12</td>
<td>2 Y Y</td>
</tr>
<tr>
<td>Copper</td>
<td>#12 to #8</td>
<td>1 Y Y</td>
</tr>
<tr>
<td>Crimp</td>
<td>#12</td>
<td>2 Y Y</td>
</tr>
<tr>
<td>Copper</td>
<td>#6</td>
<td>1 Y Y</td>
</tr>
<tr>
<td>Crimp</td>
<td>#10</td>
<td>2 Y Y</td>
</tr>
<tr>
<td>Copper</td>
<td>#6</td>
<td>1 Y Y</td>
</tr>
<tr>
<td>Crimp</td>
<td>#10</td>
<td>2 Y Y</td>
</tr>
<tr>
<td>Copper</td>
<td>#6</td>
<td>1 Y Y</td>
</tr>
<tr>
<td>Crimp</td>
<td>#10</td>
<td>2 Y Y</td>
</tr>
<tr>
<td>Copper</td>
<td>#6</td>
<td>1 Y Y</td>
</tr>
<tr>
<td>Crimp</td>
<td>#10</td>
<td>2 Y Y</td>
</tr>
<tr>
<td>Copper</td>
<td>#6</td>
<td>1 Y Y</td>
</tr>
<tr>
<td>Crimp</td>
<td>#10</td>
<td>2 Y Y</td>
</tr>
<tr>
<td>Copper</td>
<td>#2</td>
<td>1 N Y</td>
</tr>
<tr>
<td>Crimp</td>
<td>#6</td>
<td>2 Y Y</td>
</tr>
<tr>
<td>Copper</td>
<td>#20,  #18</td>
<td>1 Y Y</td>
</tr>
<tr>
<td>Crimp</td>
<td>#12</td>
<td>2 Y Y</td>
</tr>
<tr>
<td>Copper</td>
<td>#12 to #3</td>
<td>1 Y Y</td>
</tr>
<tr>
<td>Setscrew</td>
<td>#12 to #3</td>
<td>1 Y Y</td>
</tr>
<tr>
<td>Copper</td>
<td>#12 to #3</td>
<td>1 Y Y</td>
</tr>
<tr>
<td>Setscrew</td>
<td>#12 to #3</td>
<td>1 Y Y</td>
</tr>
<tr>
<td>Copper</td>
<td>#12 to #2</td>
<td>1 Y Y</td>
</tr>
<tr>
<td>Setscrew</td>
<td>#12 to #2</td>
<td>1 Y Y</td>
</tr>
<tr>
<td>Aluminum</td>
<td>#8</td>
<td>1 N Y</td>
</tr>
<tr>
<td>Crimp</td>
<td>#8</td>
<td>1 N Y</td>
</tr>
<tr>
<td>Aluminum</td>
<td>#6</td>
<td>1 N Y</td>
</tr>
<tr>
<td>Crimp</td>
<td>#6</td>
<td>1 N Y</td>
</tr>
<tr>
<td>Aluminum</td>
<td>#3, #4</td>
<td>1 N Y</td>
</tr>
<tr>
<td>Crimp</td>
<td>#3, #4</td>
<td>1 N Y</td>
</tr>
<tr>
<td>Aluminum</td>
<td>#1, #2</td>
<td>1 N Y</td>
</tr>
<tr>
<td>Crimp</td>
<td>#1, #2</td>
<td>1 N Y</td>
</tr>
<tr>
<td>Aluminum</td>
<td>1/0</td>
<td>1 N Y</td>
</tr>
<tr>
<td>Crimp</td>
<td>1/0</td>
<td>1 N Y</td>
</tr>
<tr>
<td>Solid terminal</td>
<td>#8 to #12</td>
<td>1 Y N</td>
</tr>
<tr>
<td>For aluminum connector</td>
<td>#10 to #14</td>
<td>1 N Y</td>
</tr>
</tbody>
</table>

(1) UL Recognized, Guide IZLT2, File E14853 (2) CSA Certified, Class 6225-01, File 47235 (3) CE (4) HEB-AW-RLC-C is for (1) #4 stranded wire only. Insulating boots for single conductor-2A0660 Dual conductor-2A0661 Contact your local Cooper Bussmann representative for other possible terminations not listed.

Data Sheet: 2127
Panel Mounted Fuse Holders for 5 x 20mm Fuses

**HTC-35M**
- **Ratings:**
  - Volts: 250Vac
  - Amps: 10A UL, 6.3A VDE
- **Fuse Access:** Threaded cap

**HTC-40M**
- **Ratings:**
  - Volts: 250Vac
  - Amps: 10A UL, 6.3A VDE
- **Fuse Access:** Screwdriver slot

**HTC-55M**
- **Ratings:**
  - Volts: 250Vac
  - Amps: 10A UL, 6.3A VDE
- **Fuse Carrier:** Bayonet type

**HTC-70M**
- **Ratings:**
  - Volts: 250Vac
  - Amps: 10A UL, 6.3A VDE
- **Fuse Carrier:** Bayonet type

**Specifications**
- **Terminals:** Tin-plated brass.
- **Molded Materials:** High temperature thermoplastic that meets the flammability ratings of UL 94V0; Glow Wire Test: 960°C per IEC 60695-2-1.
- **Solderability:** In accordance with IEC 68-2-20.
- **Agency Information:** cURus, VDE
- **Electrical:** Contact Resistance: ≤ 10 megohm; Insulation Resistance: ≥ 10MO; Dielectric Strength ≥ 2000Vac.
- **Shock Safety:** PC2 (fuse holders).
- **Packaging:** Standard Qty 10 (No Prefix), Bulk Qty 100 (Prefix Catalog Number with BK/).
Panel Mounted Fuse Holders for ¼" x 1½" Fuses

**Specifications**

**HKP, HKP-L, HKP-W**

**Description:** Standard fuse holders.

**Dimensions:** See Dimensions illustration.

**Ratings:**

Volts: — 250V
Amps: — 30A

**Catalog Numbers**

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Fuse Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HKP-L</td>
<td>HKP w/ 2250V stand-off barrier</td>
</tr>
<tr>
<td>HKP-W</td>
<td>HKP w/ drip-proof knob</td>
</tr>
</tbody>
</table>

**Dimensions - in (mm)**

- With Fuse: 2.33" Max. (59.1 mm)
- Bayonet-type knob: 0.79" (19.9 mm)
- Vibration resistant.
- For panels up to ⅛" (7.9 mm) thick.

**Agency Information:**


**Replacement Parts:**

Cap: 9435-1/2
Plastic Nut: BK/1A4287 (100 pieces minimum)
Metal Nut: BK/1A4806-2 (100 pieces minimum)
Washer: 9732

Data Sheet: 2106

---

**Specifications**

**HKP-BBHH, HKP-HH and HKP-LW-HH**

**Description:** Fuse holders with ¼" quick-connects.

**Dimensions:** See Dimensions illustration.

**Ratings:**

Volts: — 250V
Amps: — 15A

**Catalog Numbers**

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Fuse Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HKP-BBHH</td>
<td>HKP w/ ¾&quot; quick-connects, nut and washer assembled</td>
</tr>
<tr>
<td>HKP-HH</td>
<td>HKP w/ ¾&quot; quick-connect</td>
</tr>
<tr>
<td>HKP-LW-HH</td>
<td>HKP w/ drip-proof knob, 2250V stand-off barrier and ¾&quot; quick-connects</td>
</tr>
</tbody>
</table>

**Dimensions - in (mm)**

- When Fuse is Inserted: 2.64" Max. (67.0 mm)
- Bayonet-type knob: 0.79" (19.9 mm)
- Punched Mounting Hole: 0.455" (11.6 mm)

**Data Sheet:** 2106

---

**Specifications**

**HKP-OO**

**Description:** Snap-lock fuse holders.

**Dimensions:** See Snap-lock illustration.

**Ratings:**

Volts: — 250V
Amps: — 30A

**Catalog Numbers**

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Fuse Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HKP-OO</td>
<td>HKP with snap-lock</td>
</tr>
</tbody>
</table>

**Dimensions - in (mm)**

- 76" (193.7 mm)
- 800" (203.2 mm)
- 311" (79.1 mm)

**Data Sheet:** 2106

---

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa
# Panel Mounted Fuse Holders for 5 x 20mm and ¼" x 1 ¾" Fuses

**HTB Series**

**Specifications**

**Description:** Fuse holders with knob-type carriers.

**Dimensions:** See Dimensions illustrations.

**Construction:** High temperature, flame retardant thermoplastic; UL Component Recognized; UL 94V0; mounting nut, spacer-black polycarbonate. Terminals: tin-plated brass.

**Electrical Data:** Insulation resistance (per IEC #257) — 10,000 ohms @ 500Vdc; contact resistance (per IEC #257) — 0.005 ohms Max @ 1A; standoff voltage (per IEC #257) — 480V/Mil @ 0.125" thickness.

**Agency Information:** CE, UL Recognized — Guide IZLT2, File E14853, ¼" dia fuse @ 20A, 5mm dia fuse @16A @ 250V, CSA — 16A @ 250V Class 6225-01 File 47235; VDE Certified: 136128, HTB-XXM, SEMKO Certification: Ref. #0146149/01, HTB-XXM.

**Mounting:** Withstands 15 to 20 Lb-In torque to mounting nut when mounting fuse holder to panel.

**Environmental:** Maximum operating temperature -55°C to 85°C.

### Dimensional Data - in (mm)

<table>
<thead>
<tr>
<th>Knob Type Carrier</th>
<th>Terminal Options</th>
<th>Carrier Options</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Solder/Quick-Connect</td>
<td>Carrier Options</td>
</tr>
<tr>
<td></td>
<td>¼&quot; Quick-Connect</td>
<td>¼&quot; x 1⅛&quot; (¹¹⁄₃₂&quot; Equals Inches)</td>
</tr>
<tr>
<td></td>
<td>In-Line</td>
<td>Rt. Angle</td>
</tr>
<tr>
<td></td>
<td>0.30&quot;</td>
<td>0.47&quot; (11.9mm)</td>
</tr>
<tr>
<td></td>
<td>7.62mm</td>
<td>HTB-22I-R</td>
</tr>
<tr>
<td></td>
<td>0.125&quot;</td>
<td>0.69&quot; (17.5mm)</td>
</tr>
<tr>
<td></td>
<td>3.18mm</td>
<td>HTB-42I-R</td>
</tr>
<tr>
<td></td>
<td>0.30&quot;</td>
<td>0.67&quot; (17.1mm)</td>
</tr>
<tr>
<td></td>
<td>7.62mm</td>
<td>HTB-62I-R</td>
</tr>
<tr>
<td></td>
<td>0.125&quot;</td>
<td>1.125&quot; (28.6mm)</td>
</tr>
<tr>
<td></td>
<td>3.18mm</td>
<td>HTB-82I-R</td>
</tr>
</tbody>
</table>

Fuse holders and fuse carriers may be ordered separately.

For product data sheets, visit [www.cooperbussmann.com/products/datasheets/ulcsa](http://www.cooperbussmann.com/products/datasheets/ulcsa)
## Panel Mounted Fuse Holders for 5 x 20mm and ¼” x 1 ¾” Fuses

### HTB Series

### Dimensional Data - in (mm)

<table>
<thead>
<tr>
<th>Screwdriver Type Carrier</th>
<th>Terminal Options</th>
<th>Carrier Options</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Solder/</td>
<td>Carrier Options</td>
</tr>
<tr>
<td></td>
<td>⅜&quot; Quick-Connect</td>
<td>⅜&quot; x 1 ⅜&quot; 5 x 20mm</td>
</tr>
<tr>
<td></td>
<td>⅜&quot; Quick-Connect</td>
<td>(&quot;I&quot; Equals Inches) (&quot;M&quot; Equals Metric)</td>
</tr>
<tr>
<td></td>
<td>In-Line</td>
<td>Screwdriver</td>
</tr>
<tr>
<td></td>
<td>Rt. Angle</td>
<td>Screwdriver</td>
</tr>
<tr>
<td>Common Dimensions:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Screwdriver Slotted)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.75&quot; (44.5mm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NOTE: Plus In-Line Terminal</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| HTB-3 | 0.30" | HTB-32I-R | HTB-34I-R | HTB-36I-R | HTB-38I-R | X |
| HTB-5 | 0.125" | HTB-52I-R | HTB-54I-R | HTB-56I-R | HTB-58I-R | X |
| HTB-9 | 0.125" | HTB-92I-R | HTB-94I-R | HTB-96I-R | HTB-98I-R | X |

### Catalog Number Build-A-Code

- **Packing**
  - Blank (Std.) – 10 fuse holders in a carton
  - BK – 100 fuse holders in a cardboard shell package

- **Product Symbol**
  - HTB-

- **Fuse Carrier**
  - I = ⅜" x 1 ⅜"
  - M = 5 x 20mm

- **Rear Terminal Configuration**
  - 2 = Solder / ⅜" Quick-Connect (In-Line)
  - 4 = Solder / ⅜" Quick-Connect (Right Angle)

- **Body Configuration and Mounting**
  - Knob Holders
    - 2 = Low Profile (Rear Panel Hex-Nut)
    - 4 = High Profile
    - 6 = Low Profile (Snap-In)
    - 8 = Low Profile (Snap-In)

- **Splash Proof Cap with O-Ring**
  - Optional on Knob Holders Only

- **RoHS Compliant**

**Profile varies with panel thickness. Holder installs through rear of panel.**

---

**Data Sheet: 2119**

For product data sheets, visit [www.cooperbussmann.com/products/datasheets/ulcsa](http://www.cooperbussmann.com/products/datasheets/ulcsa)
Panel Mounted Fuse Holders for Indicating Type Fuses

**HLD**

**Specifications**
- **Description:** Pin indicating for ¼" x 1¼" fuses.
- **Dimensions:** See Dimensions illustration.
- **Ratings:**
  - Volts: — 250V
  - Amps: — 15A
- **Agency Information:** CE, UL Recognized, File E14853, Guide IZLT2.

**Catalog Numbers**
- HLD: Solder terminals
- HLD-HH: ¼" quick-connect terminals

*Use with GBA, GLD fuses.

**Dimensions - in (mm)**

- Octagonal Sides
  - 0.505" ± 0.005" (12.8mm ± 0.13mm)
  - 0.473" ± 0.005" (12.0mm ± 0.13mm)

- Punched Mounting Hole
  - 0.69" (17.5mm)
  - 2.5" (HLD)
  - 2.75" (HLD-HH)

**Data Sheet:** 2120

---

**HJ L**

**Specifications**
- **Description:** Neon lamp indicating for ¼" x 1" fuses.
- **Dimensions:** See Dimensions illustration.
- **Ratings:**
  - Volts: — 250V
  - Amps: — 15A
- **Agency Information:** None

**Catalog Number**

***Use with AGX or MKS fuses, for panels up to ¼" thick.***

**Dimensions - in (mm)**

- Octagonal Sides
  - 0.81" (20.6mm)
  - 1.19" (30.2mm)
  - 2.81" (71.4mm)

- Punched Mounting Hole
  - 0.630" ± 0.005" (16.0mm ± 0.13mm)
  - 0.590" ± 0.003" (14.9mm ± 0.08mm)

**Data Sheet:** 2121

---

**HK Series**

**Specifications**
- **Description:** Neon and incandescent lamp indicating for ¼" x 1¼" fuses.
- **Dimensions:** See Dimensions illustration.
- **Ratings:**
  - Volts: — 250V
  - Amps: — 15A (HKL, HKL-X)
  - — 20A (HKR, HKT, HKU, HKX)
- **Agency Information:** CE, UL Recognized, (Guide IZLT2, File E14853), CSA Certified (Class 6225-01, File 47235).

**Catalog Numbers**

- HKL: 90-250 Clear/Oct
- HKL-X: 90-250 Clear/FS
- HKR: 22-30 Amber/Oct
- HKT: 13-22 Amber/Oct
- HKU: 4-6 Red/Oct
- HKX: 22-33 Amber/FS

* Neon lamp — UL Recognized and CSA Certified.
** Incandescent lamp.

**Dimensions - in (mm)**

- Flat-Sides
  - 0.81" (20.6mm)
  - 2.81" (71.4mm)

- Octagonal Sides
  - 0.630" ± 0.005" (16.0mm ± 0.13mm)
  - 0.579" ± 0.009" (14.8mm ± 0.08mm)

**Data Sheet:** 2105
Panel Mounted Fuse Holders for $\frac{13}{32}" \times 1\frac{5}{16}" to 1\frac{1}{2}" Fuses

### HPF

**Specifications**
- **Description:** Standard fuse holders with **screw-type knob** for $\frac{1}{16}" \times \frac{3}{16}" to 1/2" Fuses.
- **Dimensions:** See Dimensions illustration.

**Agency Information:**
- CE, UL Recognized, Guide IZLT2, File E14853; CSA Certified, Class 6225-01, File 47235.

**Flammability Rating:** UL 94HB.

**Terminals:** Combination ¼" quick-connect/solder terminals.

### Catalog Numbers

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Amp Ratings</th>
<th>Volts</th>
<th>Fuse Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPF</td>
<td>30'</td>
<td>600</td>
<td>1&quot; (38.1mm)</td>
</tr>
<tr>
<td>HPF-C</td>
<td>30'</td>
<td>600</td>
<td>1&quot; (38.1mm) clear knob</td>
</tr>
<tr>
<td>HPF-L</td>
<td>5</td>
<td>600</td>
<td>BB, 1/4&quot; x 1/5&quot; fuses</td>
</tr>
<tr>
<td>HPF-EE</td>
<td>15</td>
<td>600</td>
<td>SC 0.15&quot; x 1/4&quot; fuses</td>
</tr>
<tr>
<td>HPF-JU</td>
<td>20</td>
<td>600</td>
<td>SC 0.15&quot; x 1/4&quot; fuses</td>
</tr>
<tr>
<td>HPF-FF</td>
<td>30'</td>
<td>600</td>
<td>SC 0.25&quot; x 1/4&quot; fuses</td>
</tr>
<tr>
<td>HPF-GG</td>
<td>30'</td>
<td>600</td>
<td>SC 0.25&quot; x 1/4&quot; fuses</td>
</tr>
<tr>
<td>HPF-WT</td>
<td>30'</td>
<td>600</td>
<td>Splash proof knob, 1/8&quot; x 1 1/2&quot; (38.1mm)</td>
</tr>
</tbody>
</table>

**No CSA Certification**

**Dimensions - in (mm)**

- With Fuse: 1.91" Max (48.9mm)
- Without Fuse: 1.098" (27.8mm)

### HPS

**Specifications**
- **Description:** Standard fuse holders with **bayonet-type knob** for $\frac{1}{2}" \times \frac{1}{16}" to 1/2" fuses.
- **Dimensions:** See Dimensions illustration.

**Agency Information:**
- CE, UL Recognized, Guide IZLT2, File E14853; CSA Certified, Class 6225-01, File 47235.

**Flammability Rating:** UL 94HB.

**Terminals:** Combination ¼" quick-connect/solder terminals.

### Catalog Numbers

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Amp Ratings</th>
<th>Volts</th>
<th>Fuse Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPS *</td>
<td>30'</td>
<td>600</td>
<td>1/2&quot; x 1/5&quot;</td>
</tr>
<tr>
<td>HPS-L</td>
<td>5</td>
<td>600</td>
<td>BB, 1/4&quot; x 1/5&quot; fuses</td>
</tr>
<tr>
<td>HPS-EE</td>
<td>15</td>
<td>600</td>
<td>SC 0.15&quot; x 1/4&quot; fuses</td>
</tr>
<tr>
<td>HPS-JU</td>
<td>20</td>
<td>600</td>
<td>SC 0.15&quot; x 1/4&quot; fuses</td>
</tr>
<tr>
<td>HPS-EE</td>
<td>15</td>
<td>600</td>
<td>Sleeve on body, leaded for 1/8&quot; x 1/4&quot; fuses</td>
</tr>
<tr>
<td>HPS-FF</td>
<td>30'</td>
<td>600</td>
<td>SC 0.25&quot; x 1/4&quot; fuses</td>
</tr>
<tr>
<td>HPS-RR</td>
<td>30'</td>
<td>600</td>
<td>1/4&quot; x 1/4&quot; Class CC fuses</td>
</tr>
<tr>
<td>HPS-WT</td>
<td>30'</td>
<td>600</td>
<td>Splash proof knob, 1/8&quot; x 1 1/2&quot; (38.1mm)</td>
</tr>
</tbody>
</table>

*EE, JJ, FF and RR versions are UL Recognized for applications requiring branch circuit protection.

**Dimensions - in (mm)**

- With Fuse: 2.10" (53.3mm)
- Without Fuse: 0.90" (22.9mm)

- HPG, HPG-EE

**Specifications**
- **Description:** Standard fuse holders with **bayonet-type knob** for $\frac{1}{2}" \times \frac{1}{16}" fuses.
- **Dimensions:** See Dimensions illustrations.

**Agency Information:**
- CE, UL Recognized, (Guide IZLT2, File E14853).

**Flammability Rating:** UL 94V0 - fuse holder body UL 94HB - Knob.

### Catalog Numbers

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Amp Ratings</th>
<th>Volts</th>
<th>Fuse Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPG*</td>
<td>30'</td>
<td>600</td>
<td>1/2&quot; x 1/4&quot;</td>
</tr>
<tr>
<td>HPG-EE</td>
<td>15</td>
<td>600</td>
<td>SC 0.15&quot; x 1/4&quot; fuses</td>
</tr>
<tr>
<td>HPG**</td>
<td>30'</td>
<td>600</td>
<td>1/2&quot; x 1/4&quot; fuses</td>
</tr>
</tbody>
</table>

*HPG and HPG-EE has combination ¼" quick-connect/solder terminals on both side (load) and rear (line) terminals.

**HPD** has combination ¼" quick-connect/solder terminal on side (load) terminal only. Rear (line) terminal is ¼" shorter than HPG. Rear terminal solder only.

### Dimensions - in (mm)

- HPG, HPG-EE: 2.81" (71.4mm)
- HPG: 2.41" (61.3mm)
- HPD: 1.54" (39.1mm)

---

Data Sheet: 2114

Data Sheet: 2113

Data Sheet: 2108
Fuse Holders and Blocks

Panel Mounted Fuse Holders for 13/8” x 1 1/2” Fuses

**Specifications**

**Description:** Standard fuse holder with screw-type knob for 13/8” x 1 1/2” fuses.

**Dimensions:** See Dimensions illustration.

**Ratings:**
- Volts: — 600Vac/dc
- Amps: — 30A

**Agency Information:** CE, UL Recognized, Guide IZLT2, File E14853; CSA Certified, Class 6225-01, File 47235.

**Flammability Rating:** UL 94HB.

**Catalog Numbers**

- HPM
- HPC-D
- HPS2

**Specifications**

**Description:** Fuse holder with screw-type knob for 13/8” x 1 1/2” fuses.

Supplied with O-ring and panel gasket.

**Dimensions:** See Dimensions illustration.

**Ratings:**
- Volts: — 600Vac/dc
- Amps: — 30A

**Agency Information:** CE, UL Recognized, Guide IZLT2, File E14853.

**Flammability Rating:** UL 94HB.

**Catalog Numbers**

- HPM
- HPC-D
- HPS2

**Specifications**

**Description:** For fuse size 13/8” x 1 1/2”, meeting UL 1598 requirement that both poles be removed simultaneously.

**Dimensions:** See Dimensions illustration.

**Ratings:**
- Volts: — 600V@30A
- Amps: — 0-30A

**Agency Information:** UL 4248 recognized, (Guide IZLT2, File E14853), CSA certified: (Class 6225-01, File 47235).

**Flammability Rating:** UL 94V0.

**Catalog Numbers**

- HPM
- HPC-D
- HPS2

**Dimensions**

**With Fuse**

- 1.775" (45.1mm)
- 0.180" (4.6mm)
- 2.48" (63.1mm)
- 1.120" (28.6mm)

**Without Fuse**

- 2.1/2" (65.9mm)

**Nut Torque:** 30 lb-in.

**Replacement Knob:**

Catalog Number: BK/9789-Y2 (50 pieces)

**Data Sheet:**

- HPM: 2112
- HPC-D: 2109
- HPS2: 2140

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa

---

**Dimensions**

**Mounting Hole Dimensions**

**For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa**
Fuse Blocks for \( \frac{1}{4}'' \times 1\frac{1}{4}'' \) Fuses

**Series 8000**

**Specifications**

**Description:** Bolt-in and snap-in mounting for \( \frac{1}{4}'' \times 1\frac{1}{4}'' \) fuses.

**Construction:** Blocks are molded flame retarded thermoplastic. Clips are spring-bronze.

**Ratings:**
- Volts: — 300V
- Amps: — 25A (See Catalog Numbers table)

**Agency Information:** CE, UL Recognized; File E14853, Guide IZLT2, CSA Certified Class 6225-01, File 47235.

**Anti-Rotation Pin:** Single-pole blocks may be ordered without the anti-rotational pin simply by adding an “X” to the number of poles (Example: BK/S-8000-1X).

**Carton Quantity:** 10; shelf package: 100.

**Bulk Carton:** Single-pole and 2-pole fuse blocks – 1,000; Multiple-pole fuse blocks – 3- to 8-pole: 200; 9- to 12-pole: 50. When ordering bulk quantities, prefix “BK/” to catalog number: (Example: BK/S-8001-1-SNP).

**Catalog Numbers**

**Bolt-in Mounting**

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Series</th>
<th>Terminal</th>
<th>Angle</th>
<th>Agency Maximums</th>
<th>Poles (Suffix)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-8001-</td>
<td>8000</td>
<td>Solder</td>
<td>0°</td>
<td>UL 25A</td>
<td>1 - 12</td>
</tr>
<tr>
<td>S-8002-</td>
<td>8100</td>
<td>3/8” Quick Connect</td>
<td>0°</td>
<td>UL 20A</td>
<td></td>
</tr>
<tr>
<td>S-8102-</td>
<td>8200</td>
<td>1/4” Quick Connect Side</td>
<td>40°</td>
<td>UL 20A</td>
<td></td>
</tr>
<tr>
<td>S-8202-</td>
<td>8300</td>
<td>Screw</td>
<td></td>
<td>UL 30A</td>
<td></td>
</tr>
</tbody>
</table>

**Snap-in Mounting**

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Series</th>
<th>Terminal</th>
<th>Angle</th>
<th>Agency Maximums</th>
<th>Poles (Suffix)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-8001-1-SNP</td>
<td>8000</td>
<td>Solder</td>
<td>0°</td>
<td>UL 25A</td>
<td></td>
</tr>
<tr>
<td>S-8002-1-SNP</td>
<td>8100</td>
<td>3/8” Quick Connect</td>
<td>0°</td>
<td>UL 20A</td>
<td></td>
</tr>
<tr>
<td>S-8102-1-SNP</td>
<td>8200</td>
<td>1/4” Quick Connect Side</td>
<td>40°</td>
<td>UL 20A</td>
<td></td>
</tr>
</tbody>
</table>

**Catalog Number Build-A-Code**

<table>
<thead>
<tr>
<th>Prefix for Bulk Packing</th>
<th>Series</th>
<th>Type Terminal</th>
<th>Terminal Angle</th>
<th>Number of Poles</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-8</td>
<td>0</td>
<td>“0” Solder</td>
<td>“01” - straight (P)</td>
<td>1-12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>“1”, “2”, “3” Quick Connect</td>
<td>“40”</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>“4” - Screw</td>
<td>“60” - side</td>
<td></td>
</tr>
</tbody>
</table>

**Data Sheet:** 2101

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**Single-Pole Fuse Blocks**

**Specifications**

**Description:** Single-pole fuse block for \( \frac{1}{4}'' \times 1\frac{1}{4}'' \) (6.4 x 31.8mm) size fuses.

**Dimensions:** See Dimensions illustrations.

**Construction:** Bakelite base width \( \frac{1}{2}'' \) (12.7mm); spring-bronze, bright tin-lead plate clips.

**Ratings:**
- Volts: — 250V
- Amps: — 30A

**Catalog Number:**
- 4405 - 0° Solder terminals with integral terminal and clip
- 4406 - Side solder terminal
- 4574 - Spare fuse block
- 2499 - Side quick-connect

**Agency Information:**
- UL Recognized, Guide IZLT2, File E14853
- CSA Certified Class 6225-01, File 47235

**Terminals:** \( \frac{1}{4}'' \) (6.4mm); 15A, 250V

**Dimensions - in (mm)**

Note: Mounting screw hole diameter is 0.147” (3.7mm). Counterbore diameter, 0.636” (8.0mm). Max Mounting Screw No. 6.

---

For product data sheets, visit [www.cooperbussmann.com/datasheets/ulcsa](http://www.cooperbussmann.com/datasheets/ulcsa)
**Fuse Blocks for \(\frac{1}{4}''\) x 1'' Fuses**

### 3828 Series

**Specifications**
- **Description:** Fuse block for \(\frac{1}{4}''\) x 1'' (6.4 x 25.4mm) fuses with solder terminals.
- **Dimensions:** See Dimensions illustration.
- **Ratings:**
  - Volts: — 250V
  - Amps: — 30A
- **Mounting:** Mounting screw hole diameter is 0.147'' (3.7mm), diameter. Max mounting screw No. 6.

**Catalog Numbers**

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Poles</th>
<th><em>Base Length - in (mm)</em></th>
</tr>
</thead>
<tbody>
<tr>
<td>3828-1</td>
<td>1</td>
<td>(\frac{3}{8}) (28.6)</td>
</tr>
<tr>
<td>3828-2</td>
<td>2</td>
<td>(\frac{1}{2}) (38.1)</td>
</tr>
<tr>
<td>3828-3</td>
<td>3</td>
<td>(\frac{3}{4}) (44.5)</td>
</tr>
<tr>
<td>3828-4</td>
<td>4</td>
<td>2 (50.8)</td>
</tr>
<tr>
<td>3828-5</td>
<td>5</td>
<td>3 (76.2)</td>
</tr>
<tr>
<td>3828-6</td>
<td>6</td>
<td>3 (\frac{3}{8}) (88.1)</td>
</tr>
<tr>
<td>3828-7</td>
<td>7</td>
<td>4 (\frac{1}{2}) (108.0)</td>
</tr>
<tr>
<td>3828-8</td>
<td>8</td>
<td>4 (\frac{3}{4}) (123.8)</td>
</tr>
<tr>
<td>3828-10</td>
<td>10</td>
<td>6 (\frac{3}{4}) (155.6)</td>
</tr>
<tr>
<td>3828-12</td>
<td>12</td>
<td>7 (\frac{3}{4}) (187.3)</td>
</tr>
</tbody>
</table>

*Small phenolic base, base width 1 3/8'' (34.9mm)

**Dimensions - in (mm)**

- 0.63'' (15.9mm)
- 0.19'' (4.8mm)
- 1.38'' (34.9mm)
- 1.88'' (47.6mm)

### 4520 and 4393

**Specifications**
- **Description:** Single-pole fuse block for \(\frac{1}{4}''\) x 1'' fuses.
- **Dimensions:** See Dimensions illustrations.
- **Construction:** Bakelite with \(\frac{1}{2}''\) (12.7mm) width base. Spring-bronze, bright tin-lead plated clips.
- **Ratings:**
  - Volts: — 250V
  - Amps: — 30A
- **Mounting:** Mounting screw hole diameter is 0.147'' (3.7mm), counterbore 0.636'' (8.0mm) diameter. Max mounting screw No. 6.

**Catalog Numbers**

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4520</td>
<td>Integral clip and straight solder terminals</td>
</tr>
<tr>
<td>4393</td>
<td>Spare fuse block</td>
</tr>
</tbody>
</table>

**No. 4520 - Integral clip and straight solder terminals**

**Dimensions - in (mm)**

- 0.598'' (15.2mm)
- 0.188'' (4.8mm)
- 1.38'' (34.9mm)
- 1.94'' (49.2mm)

**No. 4393 - Spare fuse block**

**Dimensions - in (mm)**

- 0.598'' (15.2mm)
- 0.188'' (4.8mm)
- 1.38'' (34.9mm)

For product data sheets, visit [www.cooperbussmann.com/datasheets/ulcsa](http://www.cooperbussmann.com/datasheets/ulcsa)
**Blocks for \(\frac{13}{32}\)" X 1\(\frac{1}{2}\)" Fuses**

**3743**

**Specifications**

**Description:** Add-on fuse blocks for \(\frac{13}{32}\)" X 1\(\frac{1}{2}\)" (10.3 X 38.1mm) fuses. Single pole blocks lock into each other and can be added at any time. Each has a single end barrier.

**Dimensions:** See Dimensions illustration.

**Ratings:**

Volts: — 600Vac/dc

Amps: — 30A

**Agency Information:** CE, UL

Recognized Guide IZLT2, File E14853.

**Catalog Numbers**

- 3835-1
- 3835-2
- 3835-3
- 3835-4
- 3835-5
- 3835-6
- 3835-7
- 3835-8
- 3835-9
- 3835-10
- 3835-12

Note: Mounting screw hole diameter is 0.148" (3.7mm). Countersink, 0.313" (7.9mm). Max. mounting screw No. 6.

**Data Sheet:** 2104
NDNF1-WH

Specifications
Description: Fuse holding rail mount terminal block.
Circuit Jumper: JF1, 2 circuits
Fuse Size: ⅛" X 1½" (KTK, FNQ).
Poles: 1
Wire Range: AWG #8-22 Cu.
Ratings:
Volts: — 600V
Amps: — 30A
Mounting Options: 35mm DIN rail, C-rail
Fuse Pullers: • PF1 (standard)
• neon or incandescent bulb*LPF1. (lighted neon or incandescent bulb).
Torque Rating: 18 lb-in
Operating Temperature: 105°C
Agency Information: CSA File 15364

Catalog Numbers

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>NDNF1-WH</td>
<td>White</td>
</tr>
</tbody>
</table>

Fuse Pullers (Optional): PF1

Lighted neon or incandescent lamp:

Catalog Numbers

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPF1-24</td>
<td>24</td>
</tr>
<tr>
<td>LPF1-120</td>
<td>120</td>
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<tr>
<td>LPF1-120-C</td>
<td>120</td>
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<tr>
<td>LPF1-220</td>
<td>220</td>
</tr>
<tr>
<td>LPF1-440</td>
<td>440</td>
</tr>
</tbody>
</table>

NDNLFD1-WH

Specifications
Description: Rail mount fuse holder.
Circuit Jumper: JF1, 2 circuits.
Fuse Size: ¼" X 1¼" (Cooper Bussmann AGC, MDL or equivalent).
Poles: 1
Wire Range: AWG #8-22 Cu.
Ratings:
Volts: — 600V
Amps: — 30A (NDND1 non-fused)
— 15A (NDNFD1, 600V/CSA, fused)
— 15A (NDNLFD1*fused, indicating)
WH24 - 24V White, WH-90Vdc-600Vdc, 115Vac-600Vac White
Agency Information: CE, UL E62622; CSA LR15364.
Mounting Options: 35mm DIN rail, C-rail
Marking Tape: MT12-1-2
Torque Rating: 18 lb-in
Operating Temperature: 105°C
Agency Information: CSA File 15364

Catalog Numbers

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Color</th>
<th>Indicator</th>
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<td>NDNFD1-WH</td>
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<tr>
<td>NDNLFD1-WH</td>
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<td>90Vdc-600Vdc</td>
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<tr>
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<td></td>
<td>115Vac-600Vac</td>
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<tr>
<td>NDNLFD1-WH 24</td>
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Power Distribution Blocks

New 1000Vdc Finger-Safe Designs with High SCCRs Help Improve Safety, Assembly Ratings and Ease Code Compliance

COOPER Bussmann