Quik-Spec™ Electrical Gear

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RED indicates NEW information
The Quik-Spec Coordination Panelboard Makes Selective Coordination Easy...up to 400A Mains and 100A Branches!*  

**Easy-to-Spec**  
- The Quik-Spec Quik-Quote™ online configurator makes specifying, pricing and ordering simple, fast and virtually error free. Just log in, select the ratings, features and options you want, and instantly get back pricing for any Coordination Panelboard possible. Contact your Cooper Bussmann representative for access.

**Saves Time**  
- Enclosure ships within one week of order so installation can start fast. Interior with fuses ships later for jobsite installation. Spare fuses included with chassis shipment so replacements are always on hand.
- Specify Quik-Ship when you order and your product will ship within 10 business days. Available on all NEMA 1 enclosure configurations - just make sure your Cooper Bussmann representative knows you want Quik-Ship.

**Flexible Configurations – Up to 600Vac/400 Amp/200kA SCCR, or 125Vdc/400 Amp/100kA SCCR**  
- 30, 60, 100, 200, 225 and 400A main ratings  
- 125Vdc rating ideal for utility and petro-chem control circuits or UPS circuits  
- 1 to 100 amp fuse ratings to closely match loads  
- Available in fused or non-fused main disconnect switch, or MLO (Main Lug Only) configurations with a choice of 18, 30 and 42 branch positions, up to 100A, in NEMA 1 or 3R enclosures to easily meet branch or service panel installations needs  
- Feed through lugs or fused loadside disconnect available

**Same Size Footprint as Traditional, Circuit Breaker Panelboards**  
- 20” W x 5” D x various heights (depending on configuration)

**Addresses NEC® Selective Coordination Requirements**  
- This cULus Listed panelboard makes it easy to provide systems that comply with NEC® Selective Coordination Requirements*** for Emergency, Legally Required Standby, Healthcare Essential Electrical and Critical Operation Power Systems (COPS) per 700.27, 701.18, 517.26 and 708.54.
- Full fuse-system selective coordination is easy from source to branch. Just follow published fuse selective coordination ratios – no need for plotting time-current curves or expensive studies.

**Increases Safety**  
- Utilizes the finger-safe Low-Peak® CUBEFuse® in a size-rejecting Compact Circuit Protector (CCPB) base. Fuse interlock prevents removing fuse while energized. Fuse ampacity rejection feature coincides with standard fuse size and copper conductor ampacities to help prevent overfusing.
- UL 98 branch circuit disconnect-rated CUBEFuse® Compact Circuit Protector Base with fuse ampacity-rejection feature breaks at 15A, 20A, 30A, 40A, 50A, 60A, 70A, 90A and 100A
- Local open fuse indication on branch circuit device and optional indicating CUBEFuse
- Lockout/Tagout provision eases OSHA compliance
- Lock-On provision helps meet requirements for emergency circuits
- High fuse interrupting rating and up to 200kA assembly SCCR ratings easily exceed most available fault current levels to help assure compliance with NEC® 110.9 and 110.10. Current-limitation of a fused solution also reduces arc-flash hazards and minimizes damage to equipment and circuits.

**Quik-Ship - 10 Business Day Shipment**  
- All configurations of the standard enclosure Quik-Spec Coordination Panelboard are available for shipment within 10 business days of order. Consult factory for details.

*70A, 90A and 100A branch disconnects coming soon.
**125Vdc rating applicable to 40 amp or less CCPBs on MLO panels only.
***When used in a fully fused distribution system.
### Quik-Spec™ Coordination Panelboard

**Coordination Panelboard Specifications**

**Mains:**
- MLO (Main Lug Only)
- Fused Disconnect Switch
- Non-fused Disconnect Switch

**Assembly SCCR:**
- 200kA, 100kA or 50kA AC, 100kA or 20kA@125Vdc*

**Voltage Rating:**
- Applicable on any 600Vac or less, or 125Vdc** or less systems

**Bus Ampacity:**
- 400A, 225A, 200A, 100A, 60A or 30A

**Branch Circuits:**
- Circuits; Up to 18, 30 and 42*
- Amps; Up to 100A
- Type; 1-, 2- and 3-Pole

**Panel:**
- Feed; Top & Bottom***
- Mounting; Surface or Flush****
- Door/Trim; Regular or Door-in-Door****
- NEMA Ratings; 1 & 3R. Other ratings available. Consult factory.

**Through-Lugs & Loadside Disconnect:**
- Feed-Through - single and double
- Fused loadside disconnect, &gt;=100A- &lt;=200A (400A panels only)

**Neutrals:**
- 200A, 400A and 800A Unbonded and Bonded

**Ground:**
- Non-Isolated or Isolated

**Enclosure Size:**
- Standard size panelboard (20" W x 5" D x various heights)*

**Spare Fuses:**
- Six-fuse spare fuse compartment

**Options:**
- Surge Protection Device (TVSS) for high and low energy transients.

---

* Depending on configuration
** 125Vdc rating applicable to 40 amp or less CCPBs on MLO panels only.
*** Top feed not available on NEMA 3R enclosure
****Flush mount and Door-in-Door not available with NEMA 3R enclosure

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For product data sheets, visit [www.cooperbussmann.com/datasheets/ulcsa](http://www.cooperbussmann.com/datasheets/ulcsa)
Quik-Spec™ Power Module — All-in-one Elevator Disconnect

PS & PMP

Cooper Bussmann® Quik-Spec Power Module

Specifications

Description: Fusible power switch or panel with shunt trip and fire safety interface to allow for single point tie in with fire alarm system.

Ratings:
- Volts: — 600Vac, 3Ø
- Amps: — 30-400A (PS)
  - 30-200A (PMP feeder switches)
  - 400-800A (PMP main switches*)

Assembly
- SCCR: — 200,000A rms

*Contact Cooper Bussmann for applications greater than 800A.

Agency Information: Complies with NFPA 70 (NEC®; National Electrical Code®),
- Elevator Shutdown — ANSI/ASME A17.1, 2.8.3.3.2
  - NEC® 620.51(B) (Elevator Shutdown)
  - NEC® 240.12 (Orderly Shutdown)
- Shunt Trip Voltage Monitoring — NFPA 72, 6.16.4.4
- Selective Coordination — NEC® 620.62
- Auxiliary Contact (Hydraulic Elevator) — NEC® 620.91(C)
  - Power Module Switch (PS); UL Listed (UL 98) Enclosed and Dead front switch Guide 96NK3917, File E182262, NEMA 1, UL 50 Listed enclosure**, cUL per Canadian Standards C22.2, No. 0-M91-CAN/CSA C22.2, No. 4-M89 Enclosed switch.

**NEMA 12, 3R, and 4 enclosures also available
- Power Module Panel (PMP); UL 98 Enclosed and Deadfront Switches.

Features and Benefits:
- Internally powered, relay activated shunt trip system
- Mechanically interlocked auxiliary contact
- Self-contained adherence to elevator consensus standards, NFPA 70 (NEC®). NFPA 72, ANSI/ASME 17.1
- Shunt trip capability
- Selective coordination
- Fire safety signal interface
- Shunt trip voltage monitoring
- Component protection via Cooper Bussmann® Low-Peak® Class J fuses
- UL 98 Listed for 200kA short-circuit current rating
- Lockable in the open position with three-lock capability
- Optional key-test switch and optional pilot light for easy inspection
- No annual calibration or testing of overcurrent protection required
- Padlockable for service-work safety and open-door “override” for troubleshooting

Typical Applications:
- Elevator Disconnects
- Computer Room Shunt Trip Disconnect
- Fire Safety Interface Relay

Accessories:
- For added safety, use the Cooper Bussmann® SAMI™ fuse covers to improve maintenance personnel protection (OSHA 1910.333, paragraph C)

Ordering:
The Cooper Bussmann Quik-Spec™ Power Module Switch and Panel are factory configured to the specific application. Contact your Cooper Bussmann representative to place your order. Have all relevant electrical and circuit information on hand.

PS*
The Quik-Spec™ Power Module Switch (PS) for single elevator applications.

PMP*
Power Module™ Panel (PMP) for multiple elevator applications.

*Fused main disconnect requires Class J fuses, not supplied with switch.
Hydraulic Elevators

Hydraulic elevators need battery backup to help prevent stranding passengers. To keep the elevator from moving when it’s been manually shut down for maintenance, the NEC® requires battery backup be connected to the elevator disconnecting means through an auxiliary contact.

However, an unintended consequence can be passengers getting stranded because of devices that open automatically (circuit breakers and disconnects utilizing a molded case switch with a trailing fuse block) will operate with a fault on their loadside. That operation also disables the battery backup and strands passengers. That’s why the Power Module has a non-automatic fusible shunt trip switch. If the Power Module has a fault on its loadside, the fuses open and the battery stays enabled. Thus the Power Module ensures that battery power is enabled when the passengers need it to exit - and disabled to allow safe maintenance of the elevator and hoistway.

<table>
<thead>
<tr>
<th>Scenario</th>
<th>Battery Lowering Required</th>
<th>Reason</th>
<th>Offered By Power Module™</th>
<th>Offered By Other Elevator Disconnects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power failure</td>
<td>Yes</td>
<td>Need to lower elevator to allow passengers to exit.</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Fire in shaft or machine room</td>
<td>No</td>
<td>Recall is initiated by smoke detector and lowers elevator to a safe floor. Battery not needed.</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Disconnect manually opened</td>
<td>No</td>
<td>Worker to perform maintenance. Elevator must remain stationary to prevent injury.</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Fault on loadside of disconnect</td>
<td>Yes</td>
<td>Need to lower elevator to allow passengers to exit.</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

**Quik-Spec™ Power Module Switch Catalog Numbering System**

- **Prefix**
  - PS = Power Module Switch

- **Control Transformer**
  - T20 = 208 Volt
  - T24 = 240 Volt
  - T48 = 480 Volt
  - T60 = 600 Volt

- **Key Test Switch**
  - K = Key

- **Neutral Lug**
  - N6 = 30-60A
  - N1 = 100A
  - N2 = 200A
  - N4 = 400A

- **Fire Safety Interface Relay**
  - F1 = Single-Pole
  - F3 = Three-Pole

- **Fire Alarm Voltage Monitoring Relay**
  - (To Monitor Shunt Trip Voltage)
  - R1 = 120Vac Coil
  - R2 = 24Vdc Coil

- **Pilot Light ON**
  - G = Green
  - R = Red
  - W = White

- **Auxiliary Contacts**
  - B = 2 NO/NC

- **Enclosure Options**
  - U = TYPE 3R
  - Z = TYPE 12
  - Y = TYPE 4X Stainless

**Quik-Ship Program: Switch - 3 Days, Panel - 10 Days!**

Ship-direct service within three business days for Power Module Switches (PS_) and 10 business days for Power Module Panels (PMP_).

* Three day PS_ shipment requires ordering from catalog numbers shown.
** 10 Day PMP_ shipment covers NEMA 1 enclosures with the ampacities shown and all requirements for relay type (AC or DC), accessory options and number of switches. To order PMP_, contact your Cooper Bussmann representative with all relevant electrical and circuit information, we do the rest.
Quik-Spec™ DC Safety Switch

Isolating DC Circuits Has Never Been Easier or Safer

- Flexibility of Application
- Enhanced Finger-Safe Design
- Meets UL and NEC® Requirements
- Flange Handle Operation
- Current-Limiting Fuses Reduce Arc Flash Hazard

DC Safety Switch Catalog Numbering System

Use this build-a-code to specify the exact Quik-Spec DC Safety Switch you need.

BD

Prefix
BD = Heavy Duty
DC Safety Switch

1

6

Voltage
6 = 600Vdc

1

Type
F = Fusible with neutral
N = Non-fusible with neutral

6

Amps
1 = 30A
2 = 60A
3 = 100A
4 = 200A

R

Enclosure Type
R = NEMA 3R
D = NEMA 12
W = NEMA 4X
Stainless

NEMA 3R, 12 & 4X Enclosures
Meet many application requirements. 3R and 4X stainless steel well suited for isolating outdoor solar power installations

Clear Polycarbonate Deadfront
Covers energized parts to provide added protection against electrical hazards. Lineside stays in place during fuse servicing.

Fused Version For Added Protection
Fuse clips located on switch center pole to ensure both clips are de-energized in OFF position. Meets NEC® Article 690.16 that requires isolating the fuse from all potential supply sources. Cooper Bussmann recommends using the Limtron® fast-acting, current limiting PVS-R Class RK5 fuse (order separately.)

Visible Switch Contacts
Positive visual identification of switch state

Door Interlock
Prevents opening door while energized, but can be manually overridden for testing or inspection.

Flange Handle Operation

Current-Limiting Fuses Reduce Arc Flash Hazard

Flexibility of Application

Enhanced Finger-Safe Design

NEC 690.17 Compliant Label
Warns that the switch terminals may be energized in the open position

High Visibility Padlockable Handle
Easy to operate with gloves and up to three padlocks to protect maintenance personnel

Visible Switch Contacts
Positive visual identification of switch state

Door Interlock
Prevents opening door while energized, but can be manually overridden for testing or inspection.

Clear Polycarbonate Deadfront
Covers energized parts to provide added protection against electrical hazards. Lineside stays in place during fuse servicing.

Fused Version For Added Protection
Fuse clips located on switch center pole to ensure both clips are de-energized in OFF position. Meets NEC® Article 690.16 that requires isolating the fuse from all potential supply sources. Cooper Bussmann recommends using the Limtron® fast-acting, current limiting PVS-R Class RK5 fuse (order separately.)

Conduit Knockouts
For easy conductor installation

Dimensions - in

Typical Wiring Diagram

NEMA 3R Dimensions

Type 12 & 4X Dimensions

DC Safety Switch Catalog Numbering System

Use this build-a-code to specify the exact Quik-Spec DC Safety Switch you need.

Amps A B C Main Lug Capacity Neutral Lug Capacity I_Sc
30 16.35 8.87 9.89 #2 AWG - #14 AWG Al/Cu #4 AWG - #14 AWG Al/Cu 19.2
60 16.35 8.87 9.89 #2 AWG - #14 AWG Al/Cu #4 AWG - #14 AWG Al/Cu 38.4
100 22.15 11.84 9.89 1/0 AWG - #14 AWG Al/Cu #4 AWG - #14 AWG Al/Cu 64.0
200 28.27 16.66 11.26 250kcmil - #6 AWG Al/Cu #2 AWG - #14 AWG Al/Cu 128.0

Amps A B C Main Lug Capacity Neutral Lug Capacity I_Sc
30 & 60 Non-fusible 14.14 8.76 10.22 #2 AWG - #14 AWG Al/Cu #4 AWG - #14 AWG Al/Cu 19.2
30 & 60 Fusible 19.08 8.76 10.22 #2 AWG - #14 AWG Al/Cu #4 AWG - #14 AWG Al/Cu 19.2
100 24.95 11.79 10.22 1/0 AWG - #14 AWG Al/Cu #4 AWG - #14 AWG Al/Cu 64.0
200 35.38 16.95 11.63 250kcmil - #6 AWG Al/Cu #2 AWG - #14 AWG Al/Cu 128.0
# Quik-Spec™ Solar Combiner Boxes

## Quik-Spec™ Electrical Gear

### BCBS Series Standard Combiner Box

<table>
<thead>
<tr>
<th>Number of Input Circuits</th>
<th>4 to 24</th>
<th>28A</th>
<th>55A</th>
<th>75A</th>
<th>150A</th>
<th>245A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Conductor Range</td>
<td>6-14AWG</td>
<td>6-14AWG</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Output Conductors</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output Conductor Range</td>
<td>6-14AWG</td>
<td>6-14AWG</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max Fuse Size</td>
<td>30A</td>
<td>30A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max Rated Current (DC Continuous)</td>
<td>75A</td>
<td>75A</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NEMA Enclosure Ratings</td>
<td>4X</td>
<td>4X</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Enclosure Dimensions (in), Weight</td>
<td>6.5x6.5x4, 4 lbs</td>
<td>6.5x9.5x4, 4 lbs</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### BCBC Series Standard Combiner Boxes and BCBD Series with Integrated Disconnect

- 4 to 24 Input circuits
- ETL Listed to UL1741 Standard
- DCM** or KLM*** 600Vdc midget fuses for overcurrent protection
- Finger-safe Cooper Bussmann modular fuse holders****
- Finger-safe power distribution blocks*****
- Continuous duty rated at 600Vdc
- Configured for both positive and negative grounded arrays
- Single or dual 90°C output terminals
- Steel or fiberglass NEMA 3, 3R, 4 or 4X rated enclosures with seamless door gaskets
- Negative Input Terminal Blocks
- All products are assembled in the USA

### BCBC Series Compact Combiner Boxes

- 2 to 6 Input circuits
- Continuous duty rated at 600Vdc
- DCM** or KLM*** 600Vdc midget fuses for overcurrent protection
- Finger-safe Cooper Bussmann modular fuse holders****
- ETL Listed to UL1741 Standard
- NEMA 4X Polycarbonate enclosure
- Ground blocks included
- External mounting feet included

<table>
<thead>
<tr>
<th>Disconnect Rating (Amps)</th>
<th>28A</th>
<th>55A</th>
<th>75A</th>
<th>150A</th>
<th>245A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Input Circuits</td>
<td>2 to 4</td>
<td>16</td>
<td>20 to 24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input Conductor Range</td>
<td>4-16AWG</td>
<td>4-16AWG</td>
<td>4-16AWG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Output Conductors</td>
<td>1</td>
<td>1 or 2</td>
<td>1 or 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output Conductor Range</td>
<td>350kcmil-6AWG</td>
<td>350kcmil-6AWG</td>
<td>350kcmil-6AWG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max Fuse Size</td>
<td>30A</td>
<td>30A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max Rated Current (DC Continuous)</td>
<td>310A</td>
<td>400A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max Voltage</td>
<td>600Vdc</td>
<td>600Vdc</td>
<td>600Vdc</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NEMA Enclosure Ratings</td>
<td>3, 3R, 4, 4X</td>
<td>3, 3R, 4, 4X</td>
<td>3, 3R, 4, 4X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steel Enclosure Dimensions (in), Weight</td>
<td>16x12x6, 30 lbs</td>
<td>16x16x6, 36 lbs</td>
<td>20x20x6, 46 lbs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fiberglass Enclosure Dimensions (in), Weight</td>
<td>16x24x7,16 lbs</td>
<td>22x18x9, 22 lbs</td>
<td>N/A/NA</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### BCBC Series Compact Combiner Box Specifications*

- 2 to 6 Input circuits
- Continuous duty rated at 600Vdc
- DCM** or KLM*** 600Vdc midget fuses for overcurrent protection
- Finger-safe Cooper Bussmann modular fuse holders****
- ETL Listed to UL1741 Standard
- NEMA 4X Polycarbonate enclosure
- Ground blocks included
- External mounting feet included

<table>
<thead>
<tr>
<th>Disconnect Rating (Amps)</th>
<th>28A</th>
<th>55A</th>
<th>75A</th>
<th>150A</th>
<th>245A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Input Circuits</td>
<td>2 to 4</td>
<td>5 to 6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input Conductor Range</td>
<td>6-14AWG</td>
<td>6-14AWG</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Output Conductors</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output Conductor Range</td>
<td>6-14AWG</td>
<td>6-14AWG</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max Fuse Size</td>
<td>30A</td>
<td>30A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max Rated Current (DC Continuous)</td>
<td>75A</td>
<td>75A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max Voltage</td>
<td>600Vdc</td>
<td>600Vdc</td>
<td>600Vdc</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NEMA Enclosure Ratings</td>
<td>4X</td>
<td>4X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steel Enclosure Dimensions (in), Weight</td>
<td>12x10x6, 15 lbs</td>
<td>12x10x6, 15 lbs</td>
<td>20x20x6, 42 lbs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fiberglass Enclosure Dimensions (in), Weight</td>
<td>14x12x7, 12 lbs</td>
<td>14x12x7, 12 lbs</td>
<td>22x18x8, 28 lbs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Refer to next page for part number configuration.
** See Data Sheet 2038 for details.
*** See Data Sheet 2020 for details.
**** See Data Sheet 2053 for details.
***** See Data Sheet 1049 for details.

For product data sheets, visit [www.cooperbussmann.com/products/datasheet.asp](http://www.cooperbussmann.com/products/datasheet.asp)
Quik-Spec™ Solar Combiner Boxes

Cooper Bussmann Solar Combiner Box Catalog Numbering System

Example: BCBD28-24-30R = B C B D 2 8 - 2 4 - 3 0 R

- **Series Prefix**
  - BCBS - Combiner Box
  - BCBD - Combiner Box with Integrated Disconnect
  - BCBC - Compact Combiner Box

- **Disconnect Ampacity**
  - For ordering BCBD Series only - otherwise, leave blank
  - 28 55 75 150 245

- **Number of Poles Available (by Series)**
  - BCBS & BCBD Series: 04 08 12 16 20 24
  - BCBC Series: 02 03 04 05 06

- **Fuse Size (amps)**
  - 00 - No Fuses Included
  - 01 03 05 08 10 15 25
  - 02 04 06 09 12 20 30
  - *When fuses are specified, DCM or KLM 600Vdc fuses are included

- **Enclosure**
  - R - NEMA 3/3R
  - 4 - NEMA 4 (Powder Coated Steel)
  - F - NEMA 4X (Fiberglass)
  - P - NEMA 4X (Polycarbonate)**
  - **BCBC Only available with NEMA 4X (P) option

Typical Combiner Box Layouts

- **Standard BCBS Series**
  - 4 to 24 Circuits - BCBS-12-00F Pictured

- **Integral Disconnect on BCBD Series**
  - 4 to 24 Circuits - BCBD245-24-00R Pictured

- **Compact BCBC Series**
  - 2 to 6 Circuits - BCBC-4-00P Pictured
Quik-Spec™ Safety Switch

Cooper Bussmann® Quik-Spec™ Safety Switch

Specifications

Description: The new Cooper Bussmann® Quik-Spec™ Safety Switch equipped with finger-safe Low-Peak® CUBEFuse® provides superior safety and reliability for industrial customers. Utilizing the Cooper Bussmann Class CF Low-Peak CUBEFuse, the Quik-Spec Safety Switch provides Class J fuse performance characteristics that can help mitigate incident energy and arc-flash hazard, and offers excellent component protection. The Cooper Bussmann CUBEFuse requires no tools to install or replace.

Agency Information:
• UL 98 standard for enclosed deadfront switches.
• UL 50 standard for enclosures for electrical equipment.
• NEMA KS 1.
• UL Listed, File E5239.
• cUL Listed to C22.2 No.4-M89.

Standard Features:
• Extended line terminal shield and finger-safe 30, 60, or 100A Cooper Bussmann CUBEFuse
• 200kA short-circuit current rating
• Visible double break quick-make, quick-break rotary blade mechanism
• Triple padlocking capability
• Mechanically interlocked door
• 600Vac/250Vdc maximum

Optional Features:
• Viewing window for visible blades and open fuse indication
• NEMA 1, 3R, 12, 4X (stainless)
• Suitable for use as service equipment (with neutral kit)

Features and Benefits:
• Enhanced Finger-Safe Design
  The Cooper Bussmann Class CF CUBEFuse isolates live electrical parts from accidental contact to increase safety. Large line-side shield is standard in all models virtually eliminating accidental contact with live parts.
• Current-Limiting Fuses Reduce Arc-Flash Hazard
  with Class J fuse performance characteristics, the Quik-Spec Safety Switch offers industry best arc-flash protection versus traditional models.
• Meets UL and NEC® Requirements
  The Quik-Spec Safety Switch is rated 200kA which makes it easier to comply with NEC® 110.9 and 110.10 requirements and is listed to UL 98 and UL 50 standards.
• Flange Operated Handle
  Always in contact with the switch mechanism, the flange operated switch is preferred in most industries.
• Easy Interface with Viewing Window Option
  Window provides visual verification that switch contacts have operated, plus the ability to view fuse indication without opening the switch door.
• No Tools Required for Fuse Removal
  Reduce downtime and potential arc-flash hazard.
• Flexibility of Application
  The 600V heavy-duty safety switch is available up to 100A with NEMA 1, 3R, 12 and 4X enclosures.

Dimensions - inches (mm)*

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

This document provided by Barr-Thorp Electric Co., Inc. 800-473-9123  www.barr-thorp.com
Quik-Spec™ Safety Switch

High Visibility Handle
Easy to operate with gloves

Padlockable Handle
With up to three padlocks to protect maintenance personnel

Visible Switch Contacts
Positive identification of switch state

Door Interlock
Prevents opening door while energized, but can be manually overridden for testing or inspection

Large Line-Side Shield
Covers energized parts to provide added protection against electrical hazards

CUBEFuse®
- Class CF (Class J) time-delay electrical performance.
- easyD™ fuse indication option to quickly determine fuse condition
- Finger-safe test points allow testing voltage without exposure to energized conductors
- Eliminates the need for reducers

NEMA 1, 3R, 12 & 4X Enclosures
Meet most application requirements

Conduit Knockouts
For easy installation

Quik-Spec™ Safety Switch Catalog Numbering System

Switch Type
CF = Heavy Duty CUBEFuse® Safety Switch

Voltage
6 = 600Vac

Fusible
F = Fusible
N = Fusible with Neutral*

Amp
1 = 30A
2 = 60A
3 = 100A

Poles
3 = 3-Pole

Series
K = Switch

Window
W = Window

Enclosure Type
G = NEMA 1
R = NEMA 3R
D = NEMA 12
W = NEMA 4X Stainless

*Suitable for service entrance use with neutral kit installed.

Maximum Horsepower Ratings

<table>
<thead>
<tr>
<th>System</th>
<th>Amp Rating</th>
<th>Fuse Class (Performance)</th>
<th>Single-Phase 480Vac</th>
<th>600Vac</th>
<th>Three-Phase 480Vac</th>
<th>600Vac</th>
<th>Direct Current 250Vdc</th>
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</thead>
<tbody>
<tr>
<td>3-Pole</td>
<td>30</td>
<td>Class CF CUBEFuse (Class J)</td>
<td>7 1/2</td>
<td>10</td>
<td>10</td>
<td>15</td>
<td>5</td>
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<td></td>
<td>60</td>
<td>Class CF CUBEFuse (Class J)</td>
<td>20</td>
<td>25</td>
<td>30</td>
<td>30</td>
<td>10</td>
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<tr>
<td></td>
<td>100</td>
<td>Class CF CUBEFuse (Class J)</td>
<td>30</td>
<td>40</td>
<td>50</td>
<td>50</td>
<td>15</td>
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</tbody>
</table>
**A/C Disconnects — Fused and Non-fused**

### Series B22_

#### Specifications
**Description:** Fused and non-fused rainproof air conditioner pullout units.
**Dimensions:** See Catalog Numbers table.
**Construction:** NEMA 3R rainproof metal housing with weather resistant coating.
**Wire Range:** 14-3 AWG, Al/Cu

#### Ratings:
- **Phase:** Single, 2-wire
- **Volts:** 240Vac
- **Amps:** 30-60A

#### Agency Information:
UL Listed to UL 1429, C-UL Certified, UL Guide WGEW

#### Features and Benefits
- NEMA 3R rainproof enclosures withstand outdoor environment.
- Padlockable with two-position pullout handle to lock safety shield when in the ON position. (Not available on GF or NA units.) For added safety, pullout handle can be stored in the compartment in the off position.

#### Typical Applications
- Residential, light industrial/commercial A/C and heat pump service.
- Spas/whirlpools, swimming pools, pump houses
- Suitable for service entrance equipment applications with field installable ground bar, kit number DPFG.

### Catalog Numbers

#### Fused

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Description</th>
<th>Disconnect Rating</th>
<th>Max Hp Rating</th>
<th>Wire Range</th>
<th>Enclosure Type</th>
<th>Fuse Class</th>
<th>Approx. Dimensions (in)</th>
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</thead>
<tbody>
<tr>
<td>B221-30F</td>
<td>30A, Pullout</td>
<td>30A</td>
<td>1.5 3</td>
<td>#14-3</td>
<td>NEMA 3R</td>
<td>H or R</td>
<td>8% 5% 2%</td>
</tr>
<tr>
<td>B221-30FGF</td>
<td>30A, Pullout w/ GFCI</td>
<td>30A</td>
<td>1.5 3</td>
<td>#14-3</td>
<td>NEMA 3R</td>
<td>H or R</td>
<td>13% 7% 4%</td>
</tr>
<tr>
<td>B221-30FGFRTR</td>
<td>30A, Pullout w/ WRTR- Rated GFCI</td>
<td>30A</td>
<td>1.5 3</td>
<td>#14-3</td>
<td>NEMA 3R</td>
<td>H or R</td>
<td>13% 7% 4%</td>
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<tr>
<td>B222-60F</td>
<td>60A, Pullout</td>
<td>60A</td>
<td>3 10</td>
<td>#14-3</td>
<td>NEMA 3R</td>
<td>H or R</td>
<td>8% 5% 2%</td>
</tr>
<tr>
<td>B222-60FGF</td>
<td>60A, Pullout w/ GFCI</td>
<td>60A</td>
<td>3 10</td>
<td>#14-3</td>
<td>NEMA 3R</td>
<td>H or R</td>
<td>13% 7% 4%</td>
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<tr>
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<td>3 10</td>
<td>#14-3</td>
<td>NEMA 3R</td>
<td>H or R</td>
<td>13% 7% 4%</td>
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</table>

#### Non-Fused

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
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<th>Disconnect Rating</th>
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<th>Wire Range</th>
<th>Enclosure Type</th>
<th>Fuse Class</th>
<th>Approx. Dimensions (in)</th>
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</thead>
<tbody>
<tr>
<td>B222-60NF</td>
<td>60A, Pullout</td>
<td>60A</td>
<td>3 10</td>
<td>#14-3</td>
<td>NEMA 3R</td>
<td>*</td>
<td>8% 5% 2%</td>
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<tr>
<td>B222-60NFGF</td>
<td>60A, Pullout w/ GFCI</td>
<td>60A</td>
<td>3 10</td>
<td>#14-3</td>
<td>NEMA 3R</td>
<td>*</td>
<td>11% 6% 4%</td>
</tr>
<tr>
<td>B222-60NFGFRTR</td>
<td>60A, Pullout w/ WRTR- Rated GFCI</td>
<td>60A</td>
<td>3 10</td>
<td>#14-3</td>
<td>NEMA 3R</td>
<td>*</td>
<td>11% 6% 4%</td>
</tr>
<tr>
<td>B222-60NFGNA</td>
<td>60A, Switch</td>
<td>60A</td>
<td>* 10</td>
<td>#14-3</td>
<td>NEMA 3R</td>
<td>*</td>
<td>8% 5% 3%</td>
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</table>

#### Non-Fused Cable Whip

<table>
<thead>
<tr>
<th>Catalog Numbers</th>
<th>Description</th>
<th>Pullout Rating</th>
<th>Max Upstream Wire Overcurrent Protection Device</th>
<th>Harness Diameter</th>
<th>Ground Hot Wire Size</th>
<th>Flexible Wire Size</th>
<th>Conduit Length (ft)</th>
<th>Non-Metallic Fittings</th>
</tr>
</thead>
<tbody>
<tr>
<td>B222-60NF12W</td>
<td>60A, Pullout w/ ½&quot; Cable Whip</td>
<td>60A*</td>
<td>3 10</td>
<td>#14-3</td>
<td>NEMA 3R</td>
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<td>14% 12% 4</td>
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<tr>
<td>B222-60NF34W</td>
<td>60A, Pullout w/ ¾&quot; Cable Whip</td>
<td>60A**</td>
<td>3 10</td>
<td>#14-3</td>
<td>NEMA 3R</td>
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#### Cable Whip Specifications

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<th>Catalog Numbers</th>
<th>Description</th>
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<th>Harness Diameter</th>
<th>Ground Hot Wire Size</th>
<th>Flexible Wire Size</th>
<th>Conduit Length (ft)</th>
<th>Non-Metallic Fittings</th>
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</thead>
<tbody>
<tr>
<td>B222-60NF12W</td>
<td>60A, Pullout w/ ½&quot; Cable Whip</td>
<td>60A</td>
<td>30A</td>
<td>½&quot;</td>
<td>#8</td>
<td>#10</td>
<td>6</td>
<td>1 - 90°, 1 - Straight</td>
</tr>
<tr>
<td>B222-60NF34W</td>
<td>60A, Pullout w/ ¾&quot; Cable Whip</td>
<td>60A</td>
<td>50A</td>
<td>¾&quot;</td>
<td>#10</td>
<td>#10</td>
<td>8</td>
<td>1 - 90°, 1 - Straight</td>
</tr>
</tbody>
</table>
Fuse Holders and Blocks
New Finger-Safe Designs Make Fuse Applications Safer and More Flexible – Now Up to 1000Vdc