

CUBEFuse® Compact Circuit Protector Base (CCPB)

For Quik-Spec™ Coordination Panelboards



The revolutionary Cooper Bussmann® CCPB with CUBEFuse® is designed as a fused branch circuit disconnect with fuse holder for the Cooper Bussmann® Quik-Spec™ Coordination Panelboard. The CCPB with CUBEFuse simplifies selective coordination and allows for isolation of individual branch circuit loads for safe work practices.

Product Features and Benefits

- Uses IP20 finger-safe Low-Peak® CUBEFuse® with current-limiting, time-delay Class J performance
- High Short-Circuit Current Ratings at 200kA
- Disconnect rated to provide means for load isolation
- Full voltage rated at 600Vac
- UL 98 Listed and suitable for branch circuit disconnect and branch circuit protection
- 1-, 2- and 3-pole versions are horsepower rated
- Patented rejection feature helps prevent overfusing
- Complies with UL and cULus
- Open fuse indication light per pole
- Additional open fuse indication can be provided by using the indicating CUBEFuse version
- Built-in switch/fuse interlock prohibits removing the fuse while energized
- Permanent lockout/tagout provisions
- Lock-On provision

Specifications:

- CCPB Ampacity rejection breaks: 15A, 20A, 30A, 40A, 50A and 60A
- 1-, 2- and 3-Pole versions
- For systems 600Vac (or less)
- Box lug loadside terminal:
 - 18-6AWG single & dual rated, solid or stranded – 75°C, Cu only
 - 4AWG single – 75°C, Cu only
- Box lug loadside terminal torque: 18-10AWG 20 Lb-In (2.2 N•m), 8-4AWG 35 Lb-In (3.9 N•m)
- Spade terminal load connection:
 - Max. 30A suitable for use with #8-32UNC screw
- Bolt-on style bus connector, #10-32-UNC Hex flange Phillips screw, torque to 25 Lb-In (2.8N•m)
- Lockout/tagout: 4mm shank lock or standard pin-out devices (Brady pin-out wide device P/N 90850 or Ideal P/N 44-784)
- Bolt-mounted design into Quik-Spec Coordination Panelboard bus
- Local indication: illumination requires closed circuit and minimum 90Vac operating voltage
- RoHS compliant

Agency Information:

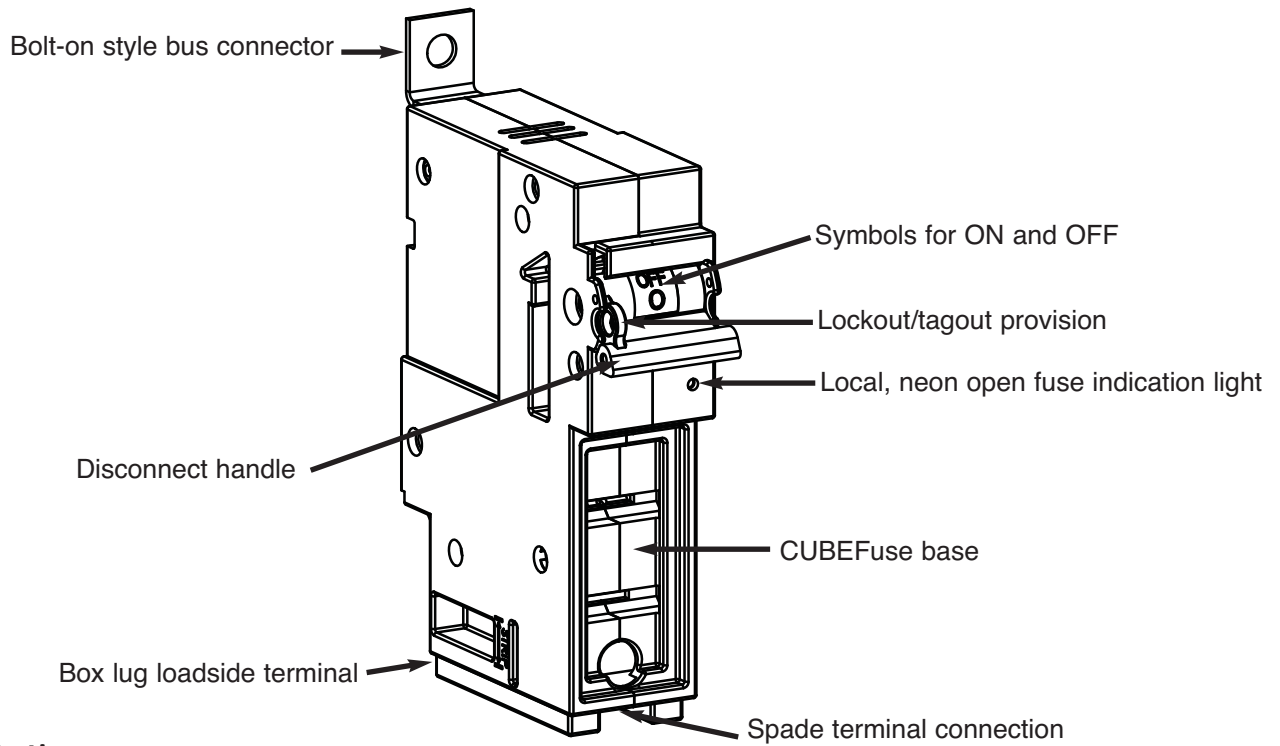
UL 98 Listed, File E302370, Guide WHTY
 cULus to CSA Standard 22.2 No. 4, File E302370, Guide WHTY7
 CE Compliant

Shipping Weight: 2.03 lbs per carton

Carton quantity: 6 poles

Environmental Data

Storage and operating temperature: -20°C to 75°C*
 *For fuse performance under or above 25°C, consult fuse performance derating charts.



Technical Ratings

| CCPB Part Numbers | Poles | Fuse Amp Range | Voltage Rating | CUBEFuse Type (Class J performance) | | Max. Fuse Ampacity | SCCR | Hp Ratings |
|-------------------|-------|----------------|----------------|---|-----------------------------|--------------------|-------|--------------------------------------|
| | | | | Non-Indicating | Indicating* | | | |
| CCPB-1-15CF | 1 | 1-15 | 600Vac | TCF1RN, TCF3RN, TCF6RN, TCF10RN, TCF15RN | TCF3, TCF6, TCF10, TCF15 | 15A | 200kA | 0.5Hp@120V |
| CCPB-2-15CF | 2 | | | | | | | 1.5Hp@240V |
| CCPB-3-15CF | 3 | | | | | | | 3Hp@240V 5Hp@480V 7.5Hp@600V |
| CCPB-1-20CF | 1 | 17½-20 | 600Vac | TCF17-1/2RN, TCF20RN | TCF17-1/2, TCF20 | 20A | 200kA | 0.75Hp@120V |
| CCPB-2-20CF | 2 | | | | | | | 2Hp@240V |
| CCPB-3-20CF | 3 | | | | | | | 3Hp@240V 7.5Hp@480V 10Hp@600V |
| CCPB-1-30CF | 1 | 25-30 | 600Vac | TCF25RN, TCF30RN | TCF25, TCF30 | 30A | 200kA | 1.5Hp@120V |
| CCPB-2-30CF | 2 | | | | | | | 3Hp@240V |
| CCPB-3-30CF | 3 | | | | | | | 5Hp@240V 15Hp@480V 10Hp@600V |
| CCPB-1-40CF | 1 | 35-40 | 600Vac | TCF35RN, TCF40RN | TCF35, TCF40 | 40A | 200kA | 2.0Hp@120V |
| CCPB-2-40CF | 2 | | | | | | | 3Hp@240V |
| CCPB-3-40CF | 3 | | | | | | | 7.5Hp@240V 20Hp@480V 10Hp@600V |
| CCPB-1-50CF | 1 | 45-50 | 600Vac | TCF45RN, TCF50RN | TCF45, TCF50 | 50A | 200kA | 3.0Hp@120V |
| CCPB-2-50CF | 2 | | | | | | | 5Hp@240V |
| CCPB-3-50CF | 3 | | | | | | | 7.5Hp@240V 20Hp@480V 10Hp@600V |
| CCPB-1-60CF | 1 | 60 | 600Vac | TCF60RN | TCF60 | 60A | 200kA | 3.0Hp@120V |
| CCPB-2-60CF | 2 | | | | | | | 7.5Hp@240V |
| CCPB-3-60CF | 3 | | | | | | | 7.5Hp@240V 20Hp@480V 10Hp@600V |

*1A indicating CUBEFuse not available. Correct fit with CCPB disconnect requires indicating CUBEFuse with date code R38 or later.

CUBEFuse® Motor Sizing Table

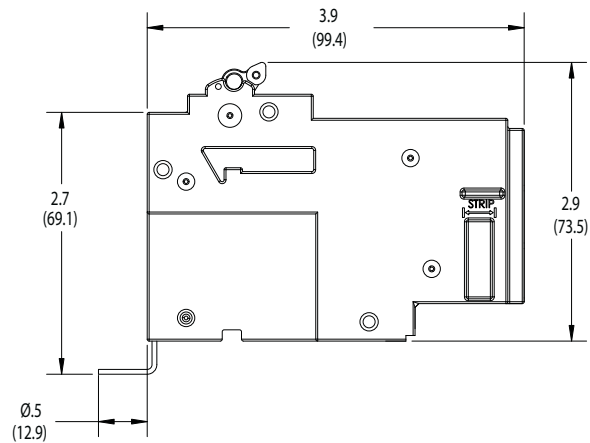
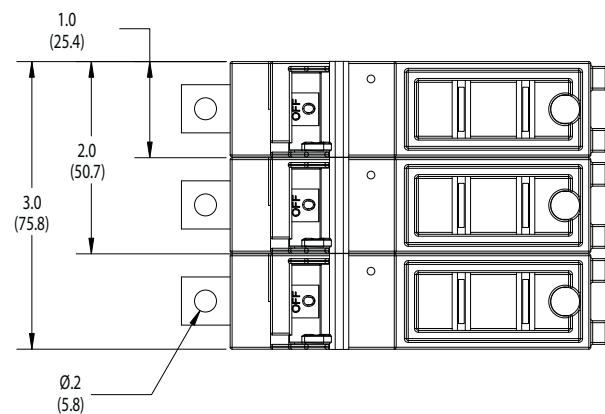
| Voltage | Motor Size (Hp) | Motor* FLA (Amps) | Low-Peak® CUBEFuse® (Amp Rating) | | |
|-----------------|-----------------|-------------------|----------------------------------|----------|-------------|
| | | | Optimal Protection | Code Max | Heavy Start |
| 115Vac, 1-Phase | 0.167 | 4.4 | 10 | 10 | 10 |
| | 0.25 | 5.8 | 10 | 15 | 15 |
| | 0.333 | 7.2 | 15 | 15 | 15 |
| | 0.5 | 9.8 | 15 | 20 | 20 |
| | 0.75 | 13.8 | 25 | 25 | 30 |
| | 1 | 16 | 25 | 30 | 35 |
| | 1.5 | 20 | 30 | 35 | 45 |
| | 2 | 24 | 40 | 45 | 50 |
| | 3** | 34 | 50 | 60 | N/A |
| 230Vac, 1-Phase | 0.167 | 2.2 | 6 | 6 | 6 |
| | 0.25 | 2.9 | 6 | 6 | 6 |
| | 0.333 | 3.6 | 6 | 10 | 10 |
| | 0.5 | 4.9 | 10 | 10 | 10 |
| | 0.75 | 6.9 | 15 | 15 | 15 |
| | 1 | 8 | 15 | 15 | 17.5 |
| | 1.5 | 10 | 15 | 20 | 20 |
| | 2 | 12 | 20 | 25 | 25 |
| | 3 | 17 | 25 | 30 | 35 |
| | 5 | 28 | 45 | 50 | 60 |
| | 7.5** | 40 | 60 | N/A | N/A |
| 200Vac, 3-Phase | 0.5 | 2.5 | 6 | 6 | 6 |
| | 0.75 | 3.7 | 6 | 10 | 10 |
| | 1 | 4.8 | 10 | 10 | 10 |
| | 1.5 | 6.9 | 15 | 15 | 15 |
| | 2 | 7.8 | 15 | 15 | 17.5 |
| | 3 | 11 | 17.5 | 20 | 20 |
| | 5 | 17.5 | 30 | 35 | 35 |
| | 7.5** | 25.3 | 40 | 45 | 50 |
| 208Vac, 3-Phase | 0.5 | 2.4 | 6 | 6 | 6 |
| | 0.75 | 3.5 | 6 | 10 | 10 |
| | 1 | 4.6 | 10 | 10 | 10 |
| | 1.5 | 6.6 | 10 | 15 | 15 |
| | 2 | 7.5 | 15 | 15 | 15 |
| | 3 | 10.6 | 17.5 | 20 | 20 |
| | 5 | 16.7 | 25 | 30 | 35 |
| 7.5** | 24.2 | 40 | 45 | 50 | |

| Voltage | Motor Size (Hp) | Motor ¹ FLA (Amps) | Low-Peak® CUBEFuse® (Amp Rating) | | |
|-----------------|-----------------|-------------------------------|----------------------------------|----------|-------------|
| | | | Optimal Protection | Code Max | Heavy Start |
| 230Vac, 3-Phase | 0.5 | 2.2 | 6 | 6 | 6 |
| | 0.75 | 3.2 | 6 | 6 | 6 |
| | 1 | 4.2 | 10 | 10 | 10 |
| | 1.5 | 6 | 10 | 15 | 15 |
| | 2 | 6.8 | 15 | 15 | 15 |
| | 3 | 9.6 | 15 | 20 | 20 |
| | 5 | 15.2 | 25 | 30 | 30 |
| | 7.5** | 22 | 35 | 40 | 45 |
| 460Vac, 3-Phase | 0.5 | 1.1 | 3 | 3 | 3 |
| | 0.75 | 1.6 | 3 | 3 | 3 |
| | 1 | 2.1 | 6 | 6 | 6 |
| | 1.5 | 3 | 6 | 6 | 6 |
| | 2 | 3.4 | 6 | 6 | 6 |
| | 3 | 4.8 | 10 | 10 | 10 |
| | 5 | 7.6 | 15 | 15 | 15 |
| | 7.5 | 11 | 17.5 | 20 | 20 |
| | 10 | 14 | 25 | 25 | 30 |
| | 15 | 21 | 35 | 40 | 45 |
| | 20** | 27 | 40 | 50 | 60 |
| 575Vac, 3-Phase | 0.5 | 0.9 | 3 | 3 | 3 |
| | 0.75 | 1.3 | 3 | 3 | 3 |
| | 1 | 1.7 | 3 | 3 | 3 |
| | 1.5 | 2.4 | 6 | 6 | 6 |
| | 2 | 2.7 | 6 | 6 | 6 |
| | 3 | 3.9 | 6 | 10 | 10 |
| | 5 | 6.1 | 10 | 15 | 15 |
| | 7.5 | 9 | 15 | 20 | 20 |
| | 10** | 11 | 17.5 | 20 | 20 |

Note: Use Code Max column for low to moderate reverse/jog/plug applications. Heavy Start permitted only if Code Max does not allow motor start-up.

*Based on motor FLA from NEC® tables 430.248 and 430.250.
 **Max. Hp rating for the CCPB 60 Amp device at specified voltage.

Dimensional Data — in (mm)



For details on the CCPB and its use in the Quik-Spec™ Coordination Panelboard, see data sheet 1160.

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