CUBEFuse® Compact Circuit Protector Base (CCPB)

For Quik–Spec™ Coordination Panelboards



RoHS 2002/95/EC

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

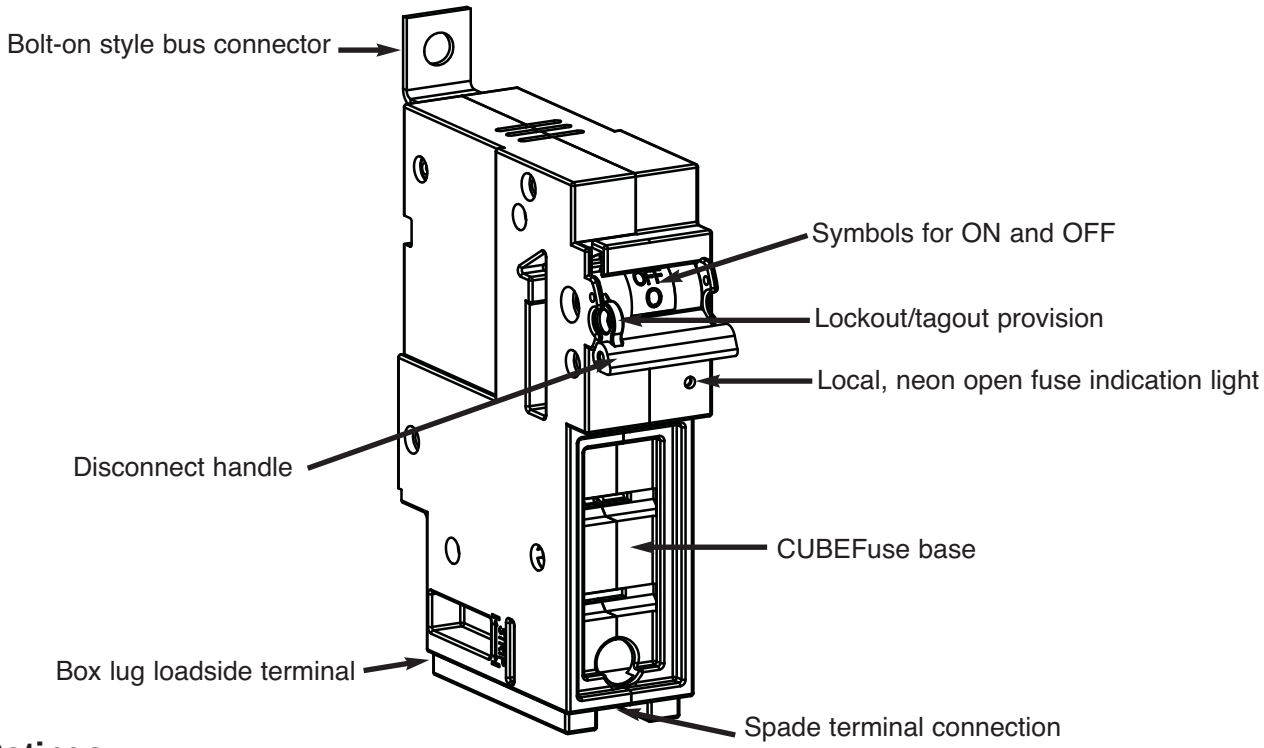
Shipping Weight: 2.03 lbs per carton

Carton quantity: 6 poles

Environmental Data

Storage and operating temperature: -20ºC to 75ºC*

*For fuse performance under or above 25ºC, 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

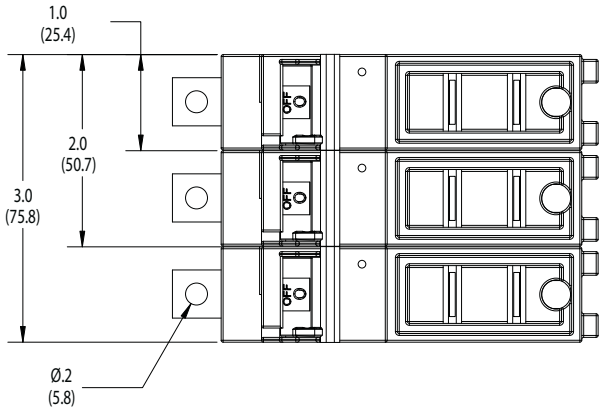
Voltage	Motor Size (Hp)	Motor* FLA (Amps)	Low-Peak® CUBEFuse® (Amp Rating) Optimal Protection	Code Max	Heavy Start
115Vac, 1-Phase	0.167	4.4	10	10	10
	0.25	5.8	10	15	15
	0.333	7.2	15	15	15
	0.5	9.8	15	20	20
	0.75	13.8	25	25	30
	1	16	25	30	35
	1.5	20	30	35	45
	2	24	40	45	50
	3**	34	50	60	N/A
230Vac, 1-Phase	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

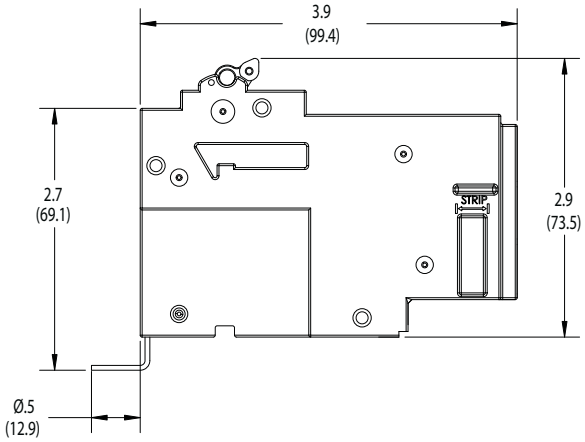
Voltage	Motor Size (Hp)	Motor[1] FLA (Amps)	Low-Peak® CUBEFuse® (Amp Rating) Optimal Protection	Code Max	Heavy Start
230Vac, 3-Phase	0.5	2.2	6	6	6
	0.75	3.2	6	6	6
	1	4.2	10	10	10
	1.5	6	10	15	15
	2	6.8	15	15	15
	3	9.6	15	20	20
	5	15.2	25	30	30
	7.5**	22	35	40	45
460Vac, 3-Phase	0.5	1.1	3	3	3
	0.75	1.6	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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