

The PowerPact Advantage

- **Proven Performance:** Industry-leading circuit breaker innovation and protection for heavy-duty commercial and industrial applications.
- **Smart:** Integrated metering options provide a cost-effective solution to reduce energy consumption, optimize energy costs, and improve energy availability for your facilities.
- **Flexible:** Full range of thermal-magnetic and electronic trip molded case circuit breakers from 15 to 3000 A, delivering the ratings, configurations, and operators for your unique applications.
- **Simple:** Common catalog numbers, standardized ratings, and a full range of field-installable accessories make product selection, installation and maintenance easier than ever.
- **Common Design Features:** Mounting holes, door trim, and handle accessories

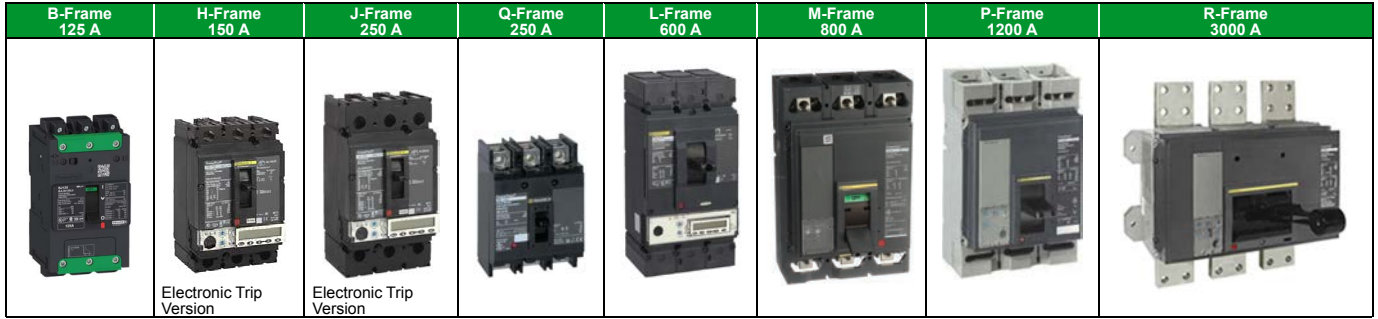


Table 7.46: PowerPact Interrupting Ratings

Voltage	Interrupting Rating						
	B	D	G	J	K	L	R
240 Vac	10 kA	25 kA	65 kA	100 kA	65 kA [1]	125 kA	200 kA
480 Vac	—	18 kA	35 kA	65 kA	65 kA [2]	100 kA	200 kA
600 Vac	—	14 kA	18 kA	25 kA	65 kA [2]	50 kA [3]	100 kA

Table 7.47: Common Catalog Numbering System

Frame	Rating	Termination	Poles	Voltage	Amperage ^[4]	Suffix Code	Suffix Code				
H	G	L	3	6	1	5	0	A	B	S	A
		1=1Pole 2=2Pole 3=3Pole 4=4Pole		4=480 V 6=600 V			2A/2B Auxiliary Switch			110 Vac Shunt Trip	

Frame Designation		Interrupting Rating			Terminations	
Frame	Rating	240 Vac	480 Vac	600Vac	Code	Description
B	125 A Frame	10 kA	—	—	A	I-Line
H	150 A Frame	25 kA	18 kA	14 kA	L	Lugs on Both Ends
J	250 A Frame	65 kA	35 kA	18 kA	F	Bus Bar (No Lugs)
Q	250 A Frame	100 kA	65 kA	25 kA	M	Lugs Line Side Only
L	600 A Frame	100 kA	65 kA	65 kA	P	Lugs Load End Only
M	800 A Frame	125 kA	100 kA	50 kA	N	Plug-in
P	1200 A Frame	200 kA	200 kA	100 kA	D	Drawout
R	3000 A Frame	—	—	—	S	Rear Connected Studs

For more information:

- B-Frame Circuit Breakers, page 7-32
- H- and J-Frame Circuit Breakers, page 7-33
- Q-Frame Circuit Breakers, page 7-36
- L-Frame Circuit Breakers, page 7-38
- P-Frame Circuit Breakers, page 7-41
- R-Frame Circuit Breakers, page 7-42
- H, J, and L-Frame Motor Protectors, page 7-50
- Motor Circuit Protectors and Motor Protector Circuit Breakers, page 7-50
- Automatic Switches, page 7-46
- 500 Vdc Circuit Breakers, page 7-45
- Mission Critical Circuit Breakers, page 7-44
- Electrical Accessories for Circuit Breakers, page 7-51
- Motor Operators, page 7-52 and Rotary Handles, page 7-53
- Locks, Installation Accessories, and Rear Connectors, page 7-54
- Mechanical Lugs, page 7-56
- Compression Lugs, page 7-57 and Power Distribution Connectors, page 7-58
- Terminal Nuts, Terminal Pads, Terminal Shields, and Accessories, page 7-59
- Plug-In and Drawout Mountings, page 7-60
- MicroLogic Electronic Trip Units, page 7-61
- Trip Unit Accessories, page 7-64

[1] B-frame K interrupting rating is 100 kA at 240 Vac

[2] P-frame K interrupting is 50 kA at 480 and 600 Vac.

[3] P-frame L interrupting is 25 kA at 600 Vac.

[4] For amperage of M-, P- or R-frame circuit breakers, add a zero to the three amperage digits; for example, 120 = 1200 A.



B-Frame Thermal-Magnetic Trip Unit



With EverLink Lugs Technology

PowerPact B-Frame Molded Case Circuit Breakers (125 A)

PowerPact B-frame circuit breakers provides economical thermal-magnetic circuit protection in a compact size.

- Fixed 15-125 A thermal-magnetic protection up to 600Y/347 Vac and 250 Vdc
- 1- to 4-pole unit mount construction; 1- to 3-pole I-Line construction
- UL listed interrupting ratings from 18 kA to 65 kA at 480 Vac
- EverLink lugs, a cable connection method that helps maintain low resistance connections
- UL, CSA, NOM, IEC, CCC certified and CE marked for global acceptance

Table 7.48: PowerPact B-Frame 125 A Thermal-Magnetic Circuit Breakers (600Y/347 Vac) with EverLink Lugs

Current Rating @ 40° C	Interrupting Rating													
	D				G				J				K	
	1 Pole 347 Vac 125 Vdc	2 Pole 600Y/347 Vac 250 Vdc	3 Pole 600Y/347 Vac 250 Vdc	4 Pole 600Y/347 Vac 250 Vdc	1 Pole 347 Vac 125 Vdc	2 Pole 600Y/347 Vac 250 Vdc	3 Pole 600Y/347 Vac 250 Vdc	4 Pole 600Y/347 Vac 250 Vdc	1 Pole 347 Vac 125 Vdc	2 Pole 600Y/347 Vac 250 Vdc	3 Pole 600Y/347 Vac 250 Vdc	4 Pole 600Y/347 Vac 250 Vdc	1 Pole 347 Vac	2 Pole 600Y/347 Vac
15 A	BDL16015	BDL26015	BDL36015	BDL46015	BGL16015	BGL26015	BGL36015	BGL46015	BJL16015	BJL26015	BJL36015	BJL46015	BKL16015	BKL26015
20 A	BDL16020	BDL26020	BDL36020	BDL46020	BGL16020	BGL26020	BGL36020	BGL46020	BJL16020	BJL26020	BJL36020	BJL46020	BKL16020	BKL26020
25 A	BDL16025	BDL26025	BDL36025	BDL46025	BGL16025	BGL26025	BGL36025	BGL46025	BJL16025	BJL26025	BJL36025	BJL46025	BKL16025	BKL26025
30 A	BDL16030	BDL26030	BDL36030	BDL46030	BGL16030	BGL26030	BGL36030	BGL46030	BJL16030	BJL26030	BJL36030	BJL46030	BKL16030	BKL26030
35 A	BDL16035	BDL26035	BDL36035	BDL46035	BGL16035	BGL26035	BGL36035	BGL46035	BJL16035	BJL26035	BJL36035	BJL46035	—	—
40 A	BDL16040	BDL26040	BDL36040	BDL46040	BGL16040	BGL26040	BGL36040	BGL46040	BJL16040	BJL26040	BJL36040	BJL46040	—	—
45 A	BDL16045	BDL26045	BDL36045	BDL46045	BGL16045	BGL26045	BGL36045	BGL46045	BJL16045	BJL26045	BJL36045	BJL46045	—	—
50 A	BDL16050	BDL26050	BDL36050	BDL46050	BGL16050	BGL26050	BGL36050	BGL46050	BJL16050	BJL26050	BJL36050	BJL46050	—	—
60 A	BDL16060	BDL26060	BDL36060	BDL46060	BGL16060	BGL26060	BGL36060	BGL46060	BJL16060	BJL26060	BJL36060	BJL46060	—	—
70 A	BDL16070	BDL26070	BDL36070	BDL46070	BGL16070	BGL26070	BGL36070	BGL46070	BJL16070	BJL26070	BJL36070	BJL46070	—	—
80 A	BDL16080	BDL26080	BDL36080	BDL46080	BGL16080	BGL26080	BGL36080	BGL46080	BJL16080	BJL26080	BJL36080	BJL46080	—	—
90 A	BDL16090	BDL26090	BDL36090	BDL46090	BGL16090	BGL26090	BGL36090	BGL46090	BJL16090	BJL26090	BJL36090	BJL46090	—	—
100 A	BDL16100	BDL26100	BDL36100	BDL46100	BGL16100	BGL26100	BGL36100	BGL46100	BJL16100	BJL26100	BJL36100	BJL46100	—	—
110 A	BDL16110	BDL26110	BDL36110	BDL46110	BGL16110	BGL26110	BGL36110	BGL46110	BJL16110	BJL26110	BJL36110	BJL46110	—	—
125 A	BDL16125	BDL26125	BDL36125	BDL46125	BGL16125	BGL26125	BGL36125	BGL46125	BJL16125	BJL26125	BJL36125	BJL46125	—	—

Table 7.49: B-Frame Termination Options

Termination Letter and Description	Example
A I-Line (See Section 9, Panelboards)	B D L 3 6 1 0 0 For factory-installed termination, place termination letter in the third block of the circuit breaker catalog number.
F No Lugs (includes terminal nut kit on both ends)	In this example "L" indicates EverLink Lugs for both ON and OFF ends.
L EverLink lugs both ends	
M EverLink ON end, Terminal Nut Kit OFF end	
P Terminal Nut ON end, EverLink OFF end	

Table 7.51: B-Frame Lug Options

Lug Option Suffix	Example
No Suffix = EverLink Lugs both ends	B D L 3 6 1 0 0 L U
LU = EverLink Lug with Control Wire Terminal ON end; EverLink Lug OFF end	For factory-installed lug option, place suffix after the amperage in the circuit breaker catalog number.
LV = EverLink Lug ON end; EverLink Lug with Control Wire Terminal OFF end	
LW = EverLink Lug with Control Wire Terminal both ends	
LC = Copper Mechanical Lugs both ends	
LH = Aluminum Mechanical Lugs both ends	

Table 7.50: B-Frame Interrupting Ratings

Voltage	Interrupting Rating			
	D	G	J	K
240 Vac	25 kA	65 kA	100 kA	100 kA
480Y/277 Vac	18 kA	35 kA	65 kA	65 kA
480 Vac	18 kA	35 kA	65 kA	65 kA
600Y/347 Vac	14 kA	18 kA	25 kA	65 kA
125 Vdc	10 kA	20 kA	50 kA	—
250 Vdc	10 kA	20 kA	50 kA	—

Table 7.52: PowerPact B-Frame 125 A Magnetic Trip Values

Current Rating @ 40° C	Fixed AC Magnetic Trip	
	Hold	Trip
15 A	400 A	600 A
20 A	400 A	600 A
25 A	480 A	720 A
30 A	480 A	720 A
35 A	480 A	720 A
40 A	480 A	720 A
45 A	480 A	720 A
50 A	480 A	720 A
60 A	640 A	960 A
70 A	800 A	1200 A
80 A	800 A	1200 A
90 A	1000 A	1500 A
100 A	1000 A	1500 A
110 A	1000 A	1500 A
125 A	1000 A	1500 A

Accessories see page 7-51
Optional Lugs see page 7-56
Dimensions see page 7-87