

The PowerPact Advantage

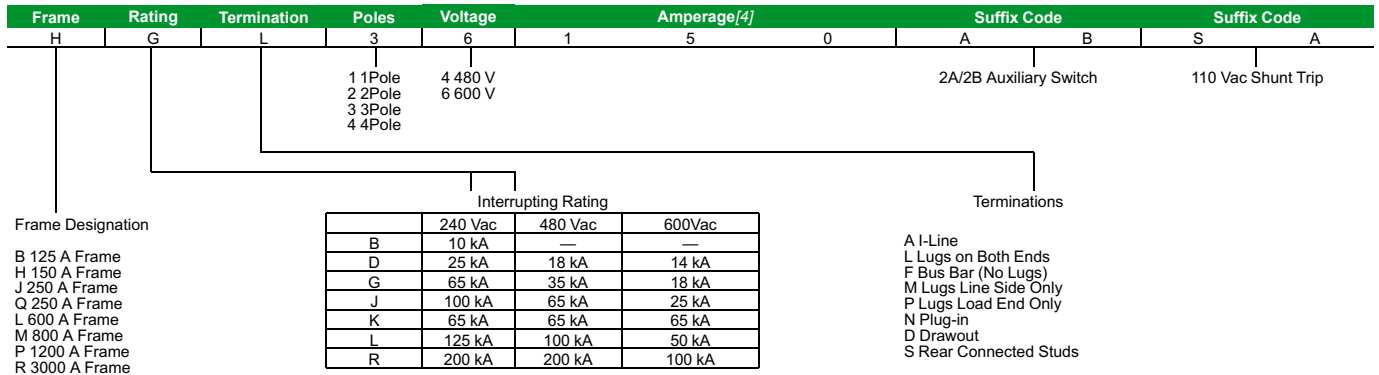
- **Proven Performance:** Industry-leading circuit breaker innovation and protection for heavy-duty commercial and industrial applications.
- **Smart:** Integrated metering options provide a cost-effective solution to reduce energy consumption, optimize energy costs, and improve energy availability for your facilities.
- **Flexible:** Full range of thermal-magnetic and electronic trip molded case circuit breakers from 15 A 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 7.47: 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 7.48: Common Catalog Numbering System



Description

- B-Frame Circuit Breakers, page 7-30
- H- and J-Frame Circuit Breakers, page 7-31
- Q-Frame Circuit Breakers, page 7-35
- L-Frame Circuit Breakers, page 7-36
- P-Frame Circuit Breakers, page 7-38
- R-Frame Circuit Breakers, page 7-39
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- Automatic Switches, page 7-48
- 500 Vdc Circuit Breakers, page 7-49
- Mission Critical Circuit Breakers, page 7-57
- PowerPact™ Circuit Breaker Accessories, page 7-59
- Motor Operators and Rotary Handles, page 7-60
- Locks, Installation Accessories, and Rear Connections, page 7-62
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- Plug-In and Drawout Mountings, page 7-68
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- Micrologic™ Trip Unit Accessories, page 7-73

[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.

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Accessories see page 7-59
Optional Lugs see page 7-64
Dimensions see page 7-80
Enclosures see page 7-81



M-Frame Circuit Breaker

Table 7.67: Interrupting Ratings

Voltage	Interrupting Rating				
	D	G	J	L	R
240 Vac	25 kA	65 kA	100 kA	125 kA	200 kA
480 Vac	18 kA	35 kA	65 kA	100 kA	200 kA
600 Vac	14 kA	18 kA	25 kA	50 kA	100 kA

PowerPact M-Frame Molded Case Circuit Breakers

Table 7.68: M-Frame 800 A, Basic Electronic Trip System Type ET 1.0 [31] Factory-Sealed Trip Unit

Electronic Trip Unit		Sensor Rating	Interrupting Rating		Terminal Wire Range (AWG/kcmil)
Type	Function		G	J	
2P, 600 Vac 50/60 Hz					
Basic	Fixed Long-time, Adjustable Instantaneous Trip	300 A	MGL26300	MJL26300	AL800M23K (3) 3/0–500 Al/Cu
		350 A	MGL26350	MJL26350	
		400 A	MGL26400	MJL26400	
		450 A	MGL26450	MJL26450	
		500 A	MGL26500	MJL26500	
		600 A	MGL26600	MJL26600	
		700 A	MGL26700	MJL26700	
		800 A	MGL26800	MJL26800	
3P, 600 Vac 50/60 Hz					
Basic	Fixed Long-time, Adjustable Instantaneous Trip	300 A	MGL36300	MJL36300	AL800M23K (3) 3/0–500 Al/Cu
		350 A	MGL36350	MJL36350	
		400 A	MGL36400	MJL36400	
		450 A	MGL36450	MJL36450	
		500 A	MGL36500	MJL36500	
		600 A	MGL36600	MJL36600	
		700 A	MGL36700	MJL36700	
		800 A	MGL36800	MJL36800	

Table 7.69: Termination Options

Termination Letter	Termination Option
A	I-Line (See Section 9)
F	No lugs
L	Lugs both ends
M	Lugs ON end, terminal nut kit OFF end
P	Lugs OFF end, terminal nut kit ON end

M G L 3 6 4 0 0

For factory-installed termination, place termination letter in the third block of the circuit breaker catalog number.

Table 7.70: Frame Interrupting Ratings

Voltage	Interrupting Rating			
	D	G	J	L
240 Vac	25 kA	65 kA	100 kA	125 kA
480 Vac	18 kA	35 kA	65 kA	100 kA
600 Vac	14 kA	18 kA	25 kA	50 kA

Accessories see page 7-59
Optional Lugs see page 7-64
Dimensions see page 7-80
Enclosures see page 7-81

[31] The ET 1.0 trip unit cannot be field replaced or have the long-time trip point setting adjusted. It is considered an electronic equivalent of a thermal-magnetic circuit breaker.