

**The PowerPact Advantage**

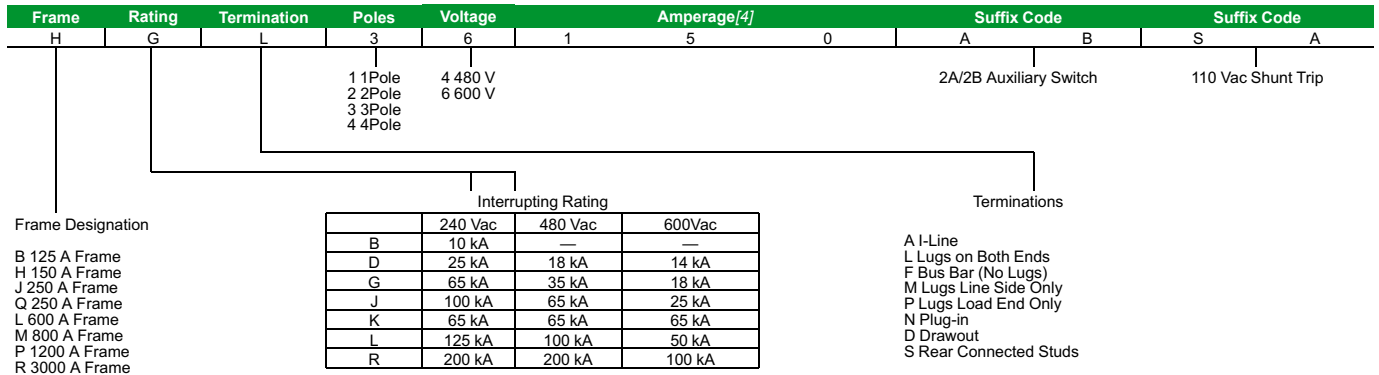
- **Proven Performance:** Industry-leading circuit breaker innovation and protection for heavy-duty commercial and industrial applications.
- **Smart:** Integrated metering options provide a cost-effective solution to reduce energy consumption, optimize energy costs, and improve energy availability for 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
- PowerPact™ H- and J-Frame Electronic Motor Circuit Protectors, page 7-41
- Motor Circuit Protectors and Motor Protector Circuit Breakers, page 7-44
- 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
- Mechanical Lugs, page 7-62
- Compression Lugs and Power Distribution Connectors (PDC), page 7-65
- Terminal Nuts, Terminal Pads, Terminal Shields and Accessories, page 7-67
- Plug-In and Drawout Mountings, page 7-68
- Micrologic™ Electronic Trip Units, page 7-69
- 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.



FA100S



FA100RB



FA100DS

## Circuit Breaker Enclosures

### F- and L-Frame Thermal-Magnetic Circuit Breaker Enclosures

The enclosures for the F- and L-Frame thermal-magnetic circuit breakers are UL listed and CSA certified. The enclosures are suitable for service entrance equipment when neutral assembly is installed. The short circuit ratings of these enclosed circuit breakers are equal to the interrupter rating, at the supply voltage marked on the circuit breaker installed.

#### F-Frame Thermal-Magnetic Circuit Breaker Enclosures

The FA100RB enclosure has a provision of 3/4 through 2 1/2 inch B-Type bolt-on hubs in the top end wall. For details and hub catalog numbers see page 3-10.

**Table 7.178: F-Frame Thermal-Magnetic Circuit Breaker Enclosures**

Circuit Breaker			Cat. No.				
Cat. No. Prefix	Rating	Poles	Enclosure			Neutral Assembly Kit	Service Ground Kit
			NEMA 1 Flush	NEMA 1 Surface	NEMA 3R		
FAL, FHL, FCL	15–100 A	1, 2, 3	FA100F	FA100S	FA100RB	SN100FA	PKOGTA2
			NEMA 4, 4X, 5 [1] Type 304 Stainless Steel [2]	NEMA 12K With Knockouts	NEMA 12/3R Without Knockouts [2]		
FAL, FHL, FCL	15–100 A	1, 2, 3	FA100DS	FA100A	FA100AWK	SN100FA	PKOGTA2

#### L-Frame Thermal-Magnetic Circuit Breaker Enclosures

The LA400R enclosure has a blank top end wall and requires field cut openings. For details and hub catalog numbers see page 3-10.

**Table 7.179: L-Frame Thermal-Magnetic Circuit Breaker Enclosures**

Circuit Breaker			Enclosure			Neutral Assembly Kit	Service Ground Kit
Cat. No. Prefix	Rating	Poles	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.
			NEMA 1 Flush	NEMA 1 Surface	NEMA 3R		
LAL, LHL, Q4L	125–225 A 225–400 A	2, 3	LA400F	LA400S	LA400R	SN225KA 400SN	PKOGTA2
LAL	125–400	3	—	LA400LS [3] [4]	—	SN400LA	
			NEMA 4, 4X, 5 [1] Type 304 Stainless Steel [2]	NEMA 12K With Knockouts	NEMA 12/3R Without Knockouts [2]		
LAL, LHL, Q4L	125–225 A 225–400 A	2, 3	LA400DS	—	LA400AWK	SN225KA SN400LA	PKOGTA2

[1] Complete rating is NEMA 3, 3R, 4, 4X, 5, and 12.  
[2] For NEMA 3R applications, remove drain screw from bottom endwall.  
[3] Use copper conductors only.  
[4] Maximum short circuit and voltage is 30 kAIR at 480 Vac.