

The PowerPact Advantage

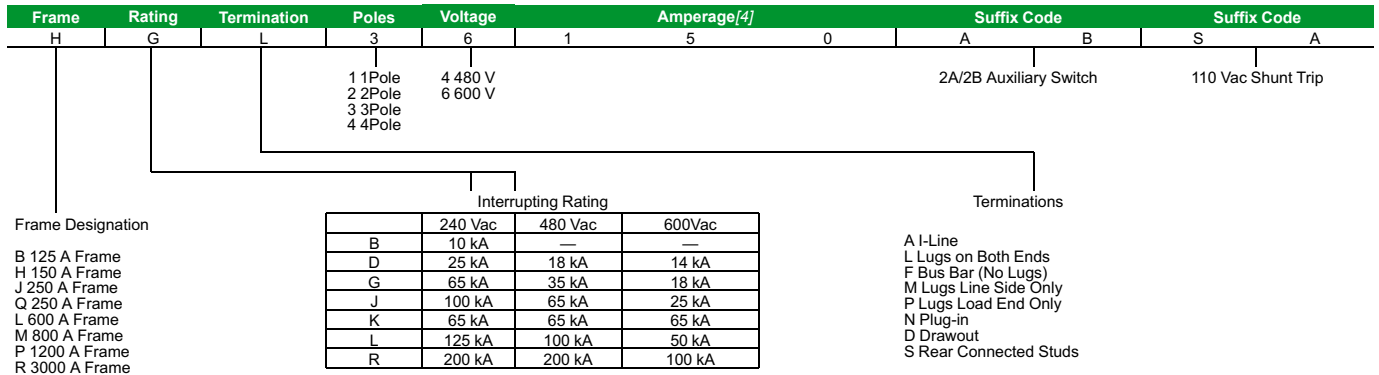
- **Proven Performance:** Industry-leading circuit breaker innovation and protection for heavy-duty commercial and industrial applications.
- **Smart:** Integrated metering options provide a cost-effective solution to reduce energy consumption, optimize energy costs, and improve energy availability for 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.

Photovoltaic Accessories

Table 7.102: Auxiliary Switches

Contacts	Factory-Installed Suffix	Field-Installable Kit No.	Kit Qty.
1A/1B Standard	AA	S29450	1
2A/2B Standard	AB	S29450	2
3A/3B Standard [2]	AC	S29450	3
1A/1B Low-Level (Gold)	AE	S29452	1
2A/2B Low-Level (Gold)	AF	S29452	2
3A/3B Low-Level (Gold) [2]	AG	S29452	3

Table 7.103: Alarm/Overcurrent Trip Switches

Suffix	Switch	Kit No.	Kit Qty.
PowerPact T-Frame			
BC	Alarm Switch	S29450	1
BH	Alarm Switch, Low-Level	S29452	1
BD	Overcurrent Trip Switch, Standard	S29450	1
	SDE Actuator	S29451	1
BJ	Overcurrent Trip Switch, Low-Level	S29452	1
	SDE Actuator	S29451	1
BE	Alarm Switch and Overcurrent Trip Switch, Standard	S29450	2
	SDE Actuators	S29451	2
BK	Alarm Switch and Overcurrent Trip Switch, Low-Level	S29452	2
	SDE Actuators	S29451	2
PowerPact U-Frame			
BC	Alarm Switch	S29450	1
BH	Alarm Switch, Low-Level	S29452	1
BD	Overcurrent Trip Switch, Standard	S29450	1
BJ	Overcurrent Trip Switch, Low-Level	S29452	1
BE	Alarm Switch and Overcurrent Trip Switch, Standard	S29450	2
BK	Alarm Switch and Overcurrent Trip Switch, Low-Level	S29452	2

Table 7.104: Shunt Trips and Undervoltage Trips

Voltage	Shunt Trip (MX)		Undervoltage Trip (MN) Field-Installable Kit No.	Adjustable and Fixed Time Delay Units for Undervoltage Trip Field-Installable Kit No.
	Suffix	Field-Installable Kit No.		
120 Vac	SA	S29386	—	—
24 Vdc	SO	S29390	—	—
48 Vdc	SP	S29392	—	—
125 Vdc	SR	S29393	—	—

Table 7.105: Rotary Operated Handles

Device	Description	Factory Installed Suffix	T-Frame Field Installable Kit No.	U-Frame Field Installable Kit No.	
Direct Mounted	Standard Handle Black	Handle Only	RD10	S29337	S32597
Door Mounted	Standard Black Handle	Handle Only	RE10	S29338	S32598

Table 7.106: Locks

Device	Description	Factory Installed Suffix	T-Frame Field Installable Kit No.	U-Frame Field Installable Kit No.
Handle Padlocking Device	Handle Padlock, ON or OFF	YP	S29371	S32631

NOTE: For a complete list of Field installable accessories and details, including also motor operator (electrical only) and locks, refer to accessories information for the PowerPact, J-Frame (compatible with T-Frame) and L-Frame (Compatible with U-Frame). Or consult Photovoltaic offer catalog 0611CT1302.

Table 7.107: PV Unit Mount Terminal Covers

Frame	Description [3]	Poles	Configuration				Field-Installable Kit No.
			Ungrounded		Grounded		
			Top	Bottom	Top	Bottom	
T-Frame	Long Terminal Cover (3P)	3	X	—	—	—	S35175
	Long Terminal Cover (3P/1SC)	3	—	X	X	X	S35176
	Long Terminal Cover (4P)	4	—	X	—	—	S35177
	Long Terminal Cover (4P/2SC)	4	X	—	X	—	S35178
	Long Terminal Cover (4P/1SC)	4	—	—	—	X	S35179
U-Frame	Long Terminal Cover (3P)	3	X	—	—	—	S32593
	Extended Term Cover (3P/1SC)	3	—	X	X	X	S38291
	Long Terminal Cover (4P)	4	—	X	—	—	S32594
	Extended Term Cover (4P/2SC)	4	X	—	X	—	S38293
	Extended Term Cover (4P/1SC)	4	—	—	—	X	S38294

[2] U-Frame only.
[3] P: Poles, SC: Serial connector.