

Table 7.56: P-Frame 1200 A (600 Vac, 50/60 Hz) 3P▲ Circuit Breaker with Electronic Trip Unit

Electronic Trip Unit			Sensor Rating	Cat. No. ■ ◆	\$ Price								Terminal Wire Range	
Type	Function	Code			G Interrupting ■		J Interrupting ■		K Interrupting ■		L Interrupting ■★			
					80% Rated	100% Rated ◆	80% Rated	100% Rated ◆	80% Rated	100% Rated ◆	80% Rated	100% Rated ◆		
Basic Electronic Trip Unit (Not Interchangeable)	Fixed long-time, Adjustable Instantaneous	ET1.0I	600 A	P ()L36060	13905.00	—	14783.00	—	14783.00	—	15660.00	—	(3) 3/0 AWG-500 kcmil Al or Cu	
			800 A	P ()L36080	—	—	—	—	—	—	—	—	—	(4) 3/0 AWG-500 kcmil Al or Cu
Micrologic Interchangeable Standard Trip Unit	LI	3.0	250 A	P ()L36025(C)U31A	14693.00	21510.00	15570.00	22868.00	15570.00	22868.00	16448.00	24224.00	(3) 3/0 AWG-500 kcmil Al or Cu	
			400 A	P ()L36040(C)U31A										
			600 A	P ()L36060(C)U31A										
			800 A	P ()L36080(C)U31A										
	LSI	5.0	1000 A	P ()L36100(C)U31A	19836.00	30239.00	21038.00	32147.00	21038.00	32147.00	22239.00	34052.00	(4) 3/0 AWG-500 kcmil Al or Cu	
			1200 A	P ()L36120(C)U31A	—	—	—	—	—	—	—	—	—	—
			250 A	P ()L36025(C)U33A	15032.00	21812.00	15909.00	23187.00	15909.00	23187.00	16787.00	24564.00	(3) 3/0 AWG-500 kcmil Al or Cu	
			400 A	P ()L36040(C)U33A										
600 A	P ()L36060(C)U33A													
800 A	P ()L36080(C)U33A													
Micrologic Interchangeable Ammeter Trip Unit	LI	3.0A	250 A	P ()L36025(C)U41A	15543.00	22266.00	16421.00	23670.00	16421.00	23670.00	17298.00	25076.00	(3) 3/0 AWG-500 kcmil Al/Cu	
			400 A	P ()L36040(C)U41A										
			600 A	P ()L36060(C)U41A										
			800 A	P ()L36080(C)U41A										
	LSI	5.0A	1000 A	P ()L36100(C)U41A	20688.00	30995.00	21890.00	32949.00	21890.00	32949.00	23091.00	34904.00	(4) 3/0 AWG-500 kcmil Al or Cu	
			1200 A	P ()L36120(C)U41A	—	—	—	—	—	—	—	—	—	
			250 A	P ()L36025(C)U43A	17043.00	23597.00	17921.00	25085.00	17921.00	25085.00	18798.00	26574.00	(3) 3/0 AWG-500 kcmil Al or Cu	
			400 A	P ()L36040(C)U43A										
600 A	P ()L36060(C)U43A													
800 A	P ()L36080(C)U43A													
LSIG	6.0A	1000 A	P ()L36100(C)U43A	22185.00	32324.00	23387.00	34364.00	23387.00	34364.00	24590.00	36402.00	(4) 3/0 AWG-500 kcmil Al or Cu		
		1200 A	P ()L36120(C)U43A	—	—	—	—	—	—	—	—	—		
		250 A	P ()L36025(C)U44A	18909.00	25256.00	19787.00	26849.00	19787.00	26849.00	20664.00	28442.00	(3) 3/0 AWG-500 kcmil A or Cu		
		400 A	P ()L36040(C)U44A											
600 A	P ()L36060(C)U44A													
800 A	P ()L36080(C)U44A													
Micrologic Interchangeable Power Trip Unit	LSI	5.0P	250 A	P ()L36025(C)U63AE1	21455.00	27516.00	22332.00	29252.00	22332.00	29252.00	23210.00	30986.00	(3) 3/0 AWG-500 kcmil A or Cu	
			400 A	P ()L36040(C)U63AE1										
			600 A	P ()L36060(C)U63AE1										
			800 A	P ()L36080(C)U63AE1										
	LSIG	6.0P	1000 A	P ()L36100(C)U63AE1	26597.00	36243.00	27800.00	38529.00	27800.00	38529.00	29001.00	40814.00	(4) 3/0 AWG-500 kcmil A or Cu	
			1200 A	P ()L36120(C)U63AE1	—	—	—	—	—	—	—	—	—	
			250 A	P ()L36025(C)U64AE1	22536.00	28476.00	23414.00	30272.00	23414.00	30272.00	24291.00	32067.00	(3) 3/0 AWG-500 kcmil A or Cu	
			400 A	P ()L36040(C)U64AE1										
600 A	P ()L36060(C)U64AE1													
800 A	P ()L36080(C)U64AE1													
Micrologic Interchangeable Harmonic Trip Unit	LSI	5.0H	250 A	P ()L36025(C)U73AE1	25538.00	31140.00	26415.00	33104.00	26415.00	33104.00	27291.00	35067.00	(3) 3/0 AWG-500 kcmil Al or Cu	
			400 A	P ()L36040(C)U73AE1										
			600 A	P ()L36060(C)U73AE1										
			800 A	P ()L36080(C)U73AE1										
	LSIG	6.0H	1000 A	P ()L36100(C)U73AE1	30680.00	39867.00	31881.00	42381.00	31881.00	42381.00	33083.00	44895.00	(4) 3/0 AWG-500 kcmil Al or Cu	
			1200 A	P ()L36120(C)U73AE1	—	—	—	—	—	—	—	—	—	
			250 A	P ()L36025(C)U74AE1	26619.00	32100.00	27497.00	34125.00	27497.00	34125.00	28374.00	36150.00	(3) 3/0 AWG-500 kcmil Al or Cu	
			400 A	P ()L36040(C)U74AE1										
600 A	P ()L36060(C)U74AE1													
800 A	P ()L36080(C)U74AE1													
LSIG	6.0H	1000 A	P ()L36100(C)U74AE1	31761.00	40829.00	32963.00	43404.00	32963.00	43404.00	34166.00	45978.00	(4) 3/0 AWG-500 kcmil A or Cu		
		1200 A	P ()L36120(C)U74AE1	—	—	—	—	—	—	—	—	—		

- ▲ For 2P and 4P information see Catalog 0612CT0101.
- To complete the catalog number, replace the () with the appropriate interrupting rating (G, J, K or L).
- ◆ For 100% rated circuit breakers add a "C" in the 9th character place. For example, the catalog number for a 100% trip unit with LI trip functions at 250A would be PGL36025C U31A.
- ★ For all L interrupting rating, change the 5th character (voltage rating) from a 6 (600V) to a 4 (480V); for example, PLL34025U31A. The 480V AIR is standard 100 kA, but the 600V AIR is only 25 kA.

Table 7.57: P-Frame Termination Options

F = No Lugs (Includes terminal nut kit on both ends)
L = Lugs both ends
M = Lugs ON end, terminal nut kit OFF end
P = Lugs OFF end, terminal nut kit ON end
D = Drawout
A = I-Line (See Section 9)

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





P | G | L | 3 | 6 | 0 | 4 | 0 | U | 4 | 1 | A
Termination Letter

Table 7.58: P-Frame and R-Frame Interrupting Ratings

Voltage	P-Frame Interrupting Rating				R-Frame Interrupting Rating			
	G	J	K	L	G	J	K	L
240 Vac	65 kA	100 kA	65 kA	125 kA	65 kA	100 kA	65 kA	125 kA
480 Vac	35 kA	65 kA	50 kA	100 kA	35 kA	65 kA	65 kA	100 kA
600 Vac	18 kA	25 kA	50 kA	25 kA	18 kA	25 kA	65 kA	50 kA

R-frame catalog numbers and pricing Page 7-27
Dimensions Page 7-55
Trip Unit Options Page 7-43
Optional Lugs Page 7-39
Alternate Rating Plugs Page 7-44
Enclosure Page 7-56
Accessories Page 7-36

Table 7.78: Electrical Accessories

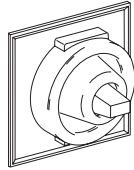
Accessory	Description	Rated Voltage	G-Frame		H-, J-, and D-Frame				M-, P-, and R-Frame							
			Field-Installable Cat. No.	\$ Price	Factory-Installed Cat. Suffix	H- and J-Frame		D-Frame		Factory Installed Cat. Suffix	Field-Installable Cat. No.	\$ Price				
						Field-Installable Cat. No.	\$ Price	Field-Installable Cat. No.	\$ Price							
 <p>Auxiliary and Alarm Switches (OF, SD, SDE)</p> <p>H-, J-, D-, M-, P-, and R-Frame</p> <p>G-Frame</p>	<p>Provides circuit breaker contact status.</p> <p>Note: The location of the accessory in the circuit breaker determines its function.</p>	<p>Standard Min Load = 10mA with 24V</p> <p>Low Level Min Load = 1mA with 24V</p>	1 auxiliary switch (OF) 1a1b	AAC	297.00	AA	S29450	297.00	AA	S29450	297.00	AA	S29450	297.00		
			2 auxiliary switch (OF) 2a2b	—	—	AB	2x S29450	594.00	2x S29450	594.00	AB	2x S29450	594.00	AB	2x S29450	594.00
			3 auxiliary switch (OF) 3a3b	—	—	AC	—	—	3x S29450	891.00	AC	3x S29450	891.00	AC	3x S29450	891.00
			Alarm Switch (SD) 1a1b	AAC	297.00	BC	S29450	297.00	S29450	297.00	BC	S29450	297.00	BC	S29450	297.00
			Overcurrent trip switch (SDE) 1a1b	—	—	BD	—	338.00	S29450	297.00	BD	S29450	297.00	BD	S29450	297.00
			Consisting of: OF Switch	—	—	—	—	S29450	297.00	—	—	—	—	—	—	—
			SDE Adapter	—	—	—	—	S29451	40.50	—	—	—	—	—	—	—
			Alarm switch and Overcurrent trip switch	—	—	BE	—	635.00	2x S29450	594.00	BE	2x S29450	594.00	BE	2x S29450	594.00
			Consisting of: OF Switch	—	—	—	—	2x S29450	594.00	—	—	—	—	—	—	—
			SDE Adapter	—	—	—	—	S29451	40.50	—	—	—	—	—	—	—
			Auxiliary Switch/Alarm Switch/Adapter (OF/SD/SDE) Kit	—	—	—	—	—	—	—	—	—	—	—	S33801	297.00
			One auxiliary switch (OF) 1a1b	—	—	AE	S29452	372.00	S29452	372.00	AE	S29452	372.00	AE	S29452	372.00
Two auxiliary switches (OF) 2a2b	—	—	AF	2x S29452	744.00	2x S29452	744.00	AF	2x S29452	744.00	AF	2x S29452	744.00			
3 auxiliary switches (OF) 3a3b	—	—	AG	—	—	3x S29452	1116.00	AG	3x S29452	1116.00	AG	3x S29452	1116.00			
Alarm Switch (SD) 1a1b	—	—	BH	S29452	372.00	S29452	372.00	BH	S29452	372.00	BH	S29452	372.00			
Overcurrent trip switch (SDE) 1a1b	—	—	BJ	—	413.00	S29450	372.00	BJ	S29452	372.00	BJ	S29452	372.00			
Consisting of: OF Switch	—	—	—	—	S29452	372.00	—	—	—	—	—	—	—			
SDE Adapter	—	—	—	—	S29451	40.50	—	—	—	—	—	—	—			
Alarm switch and Overcurrent trip switch	—	—	BK	—	785.00	2x S29452	744.00	BK	2x S29452	744.00	BK	2x S29452	744.00			
Consisting of: OF Switch	—	—	—	—	2x S29452	744.00	—	—	—	—	—	—	—			
SDE Adapter*	—	—	—	—	S29451	40.50	—	—	—	—	—	—	—			
 <p>Shunt Trip (MX)</p> <p>H-, J-, and D-Frame</p> <p>G-Frame</p>	<p>Trips the circuit breaker from a remote location by means of a trip coil energized from a separate supply voltage circuit.</p>	<p>AC</p> <p>DC</p>	24	—	—	SK	S29384	S29384	—	SK	S33659	—	—			
			48	—	—	SL	S29385	S29385	—	SL	S33660	—	—			
			120	GSA	—	—	—	—	—	—	—	—	—			
			110/130	—	—	SA	S29386	S29386	—	SA	S33661	—	—			
			208	GSB	—	—	—	—	—	—	—	—	—			
			240	GSC	—	—	—	—	—	—	—	—	—			
			200/250	—	717.00	—	—	—	717.00	—	—	717.00	—	—		
			277	GSD	—	—	—	—	—	—	—	—	—	—		
			208/277	—	—	SD	S29387	S29387	—	SD	S33663	—	—			
			480	GSH	—	—	—	—	—	—	—	—	—			
			380/480	—	—	SH	S29388	S29388	—	SH	S33664	—	—			
			525/600	—	—	SJ	S29389	S29389	—	—	—	—	—			
			12	—	—	SN	S29382	S29382	—	SN	S33658	—	—			
			24	GSO	—	SO	S29390	S29390	—	SK	S33659	—	—			
			30	—	—	SU	S29391	S29391	—	SK	S33659	—	—			
			48	GSP	717.00	SP	S29392	S29392	717.00	SL	S33660	717.00	—			
			60	—	—	SV	S29383	S29383	—	SL	S33660	—	—			
			125	GSR	—	SR	S29393	S29393	—	SA	S33661	—	—			
250	GSS	—	SS	S29394	S29394	—	SC	S33662	—	—						
 <p>Undervoltage Trip</p> <p>H-, J-, and D-Frame</p> <p>G-Frame</p>	<p>Instantaneously opens the circuit breaker when the undervoltage trip supply voltage drops to a value between 35% and 70% of its rated voltage. Closing is allowed when the supply voltage of the undervoltage trip reaches 85% of rated voltage.</p>	<p>AC</p> <p>DC</p>	24	—	—	UK	S29404	S29404	—	UK	S33668	—	—			
			48	—	—	UL	S29405	S29405	—	UL	S33669	—	—			
			120	GUA	—	—	—	—	—	—	—	—	—			
			110/130	—	—	UA	S29406	S29406	—	UA	S33670	—	—			
			208	GUB	—	—	—	—	—	—	—	—	—			
			240	GUC	—	—	—	—	—	—	—	—	—			
			200/250	—	717.00	—	—	—	717.00	—	—	717.00	—	—		
			277	GUD	—	—	—	—	—	—	—	—	—			
			208/277	—	—	UD	S29407	S29407	—	—	—	—	—			
			480	GUH	—	—	—	—	—	—	—	—	—			
			380/480	—	—	UH	S29408	S29408	—	UH	S33673	—	—			
			525/600	—	—	UJ	S29409	S29409	—	—	—	—	—			
			12	—	—	UN	S29402	S29402	—	—	—	—	—			
			24	GUO	—	UO	S29410	S29410	—	UK	S33668	—	—			
			30	—	—	UU	S29411	S29411	—	UK	S33668	—	—			
			48	GUP	717.00	UP	S29412	S29412	717.00	UL	S33669	717.00	—			
			60	—	—	UV	S29403	S29403	—	UL	S33669	—	—			
			125	GUR	—	UR	S29413	S29413	—	UA	S33670	—	—			
250	GUS	—	US	S29414	S29414	—	UC	S33671	—	—						
 <p>Time Delay Unit</p>	<p>Undervoltage trip with externally mounted adjustable time delay unit for UVR of 0.5, 0.9, 1.5, 3.0 seconds before circuit breaker trips</p> <p>Undervoltage trip with externally mounted non-adjustable time delay unit of 0.25 sec before circuit breaker trips.</p>	<p>AC/DC</p> <p>AC/DC</p>	48/60	—	—	—	—	—	—	FL	S33680▲	1140.00				
			100/130	—	—	—	—	—	—	—	FA		S33681▲			
			200/250	—	—	—	—	—	—	—	FC		S33682▲			
			380/480	—	—	—	—	—	—	—	FH		S33683▲			
			100/130	—	—	—	—	—	—	—	KA		S33684▲	930.00		
			200/250	—	—	—	—	—	—	—	KC		S33685▲			

▲ Field-installable kit includes time delay module only. Order undervoltage trip separately.
 ■ Discount schedule DE2F.
 ♦ P-frame drawout circuit breaker only.
 ★ SDE Adapter used for H- and J-frame only.

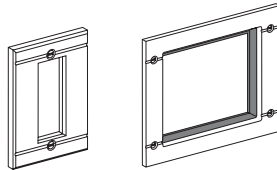
Table 7.82: Locks, Interlocking

Device	Description	G-Frame		H- and J-Frame		Q-Frame		D-Frame		M- and P-Frame			R-Frame			
		Field-Installed Cat. No.	\$ Price	Field-Installed Cat. No.	\$ Price	Field-Installed Cat. No.	\$ Price	Field-Installed Cat. No.	\$ Price	Factory Installed Cat. No. Suffix	Field-Installed Cat. No.	\$ Price	Factory Installed Cat. No. Suffix	Field-Installed Cat. No.	\$ Price	
Handle Padlocking Device	Removable (lock OFF only)	AHP	19.70	S29370	51.00			S29370	50.00	—	S44936	50.00	—	S33996	50.00	
	Fixed (lock OFF or ON)▲	—	—	S29371	77.00	QBPA	77.00	S32631	122.00	YP	S32631	122.00	YP	S32631	122.00	
	Fixed (lock OFF only)	—	—	S37422	122.00	QBPAF	77.00	NJPAF	122.00	YQ	MPRPAF	122.00	YP	MPRPAF	122.00	
Interlocking (Not UL listed)	Mechanical for circuit breakers with rotary handles▲	—	—	S29369	494.00	—	—	32621	494.00	—	S33890	1220.00	—	—	—	
	Mechanical for circuit breakers with toggles▲	—	—	S29354	494.00	QBMIK	90.00	32614	494.00	—	—	—	—	—	—	
Key Locking	Provision only, vertical mount, 1 or 2 locks	Kirk or Federal Pioneer	—	—	—	—	—	—	—	JA	—	323.00	—	—	—	
		Kirk	—	—	—	—	—	—	—	JK	—	323.00	JK	—	323.00	
		Federal Pioneer	—	—	—	—	—	—	—	JR	—	323.00	JR	—	323.00	
	Provision only, horizontal mount 1 lock, M- and P-frame 1 or 2 locks, R-frame	Ronis	—	—	—	—	—	—	—	—	JB	—	323.00	JB	—	323.00
		Profalux	—	—	—	—	—	—	—	—	JD	—	323.00	JD	—	323.00
		Kirk	—	—	—	—	—	—	—	—	JG	—	1796.00	JG	—	1796.00
	Provision and 1 lock, vertical mount	Federal Pioneer	—	—	—	—	—	—	—	—	JH	—	1796.00	JH	—	1796.00
		Kirk	—	—	—	—	—	—	—	—	JL	—	1796.00	JL	—	1796.00
		Federal Pioneer	—	—	—	—	—	—	—	—	JS	—	1796.00	JS	—	1796.00
	Provision and 1 lock, horizontal mount	Ronis	—	—	—	—	—	—	—	—	JC	—	2285.00	JC	—	2285.00
		Profalux	—	—	—	—	—	—	—	—	JF	—	2285.00	JF	—	2285.00
		Kirk	—	—	—	—	—	—	—	—	JN	—	2285.00	JN	—	2285.00
	Provision and 2 locks keyed alike	Federal Pioneer	—	—	—	—	—	—	—	—	JV	—	2285.00	JV	—	2285.00
		Ronis	—	—	—	—	—	—	41950	183.00	—	—	—	—	—	
		Profalux	—	—	—	—	—	—	42878	183.00	—	—	—	—	—	
Provision and 2 locks keyed differently	Kirk	—	—	—	—	—	—	—	—	JP	—	3269.00	JP	—	3269.00	
	Federal Pioneer	—	—	—	—	—	—	—	—	JW	—	3269.00	JW	—	3269.00	

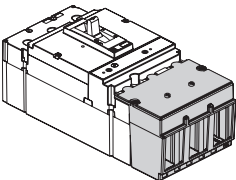
▲ Not available in HD and HG 2P modules.



Handle Rubber Boot



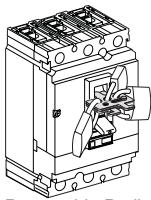
Door Escutcheon



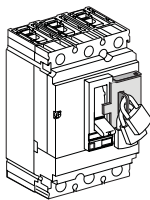
Terminal Covers



Rear Connection



Removable Padlock Attachment



Fixed Padlock Attachment

Table 7.83: Installation Accessories for G-, H-, J-, and D-Frame Circuit Breakers

Description	H- and J-Frame		G-Frame		D-Frame	
	Field-Installed Cat. No.	\$ Price	Field-Installed Cat. No.	\$ Price	Field-Installed Cat. No.	\$ Price
Front Panel Escutcheon for Toggle Breakers	S29315	48.00	—	—	32556	55.00
Front Panel Escutcheon for Rotary Handle, Motor Operator, or extended escutcheon	S29317	63.00	—	—	32558	74.00
Phase Barriers (set of 6)	S29329	53.00	—	—	32570	72.00
Handle Rubber Boot■	S29319	135.00	—	—	32560	171.00
Sealing Accessories	29375	42.00	ACS	18.50	29375	42.00
DIN rail mounting kit (requires 15 mm depth on a 35 mm DIN rail)■	S29305	188.00	—	—	—	—
DIN rail adapter	—	—	GYR	93.00	—	—
Toggle Extensions (set of 10)	S29313	140.00	—	—	32553	33.20

■ Not available in HD and HG 2P modules.

Table 7.84: Installation Accessories for M-, P-, and R-Frame Circuit Breakers

Description	Frame	Field-Installed Cat. No.	\$ Price	
		Accessory Cover	M-, P-Frame	S33718♦
Door Escutcheon	R-Frame	S33929	176.00	
	M-, P-Frame	S33717	47.30	
Drawout	P-Frame	S33857♦	308.00	
Terminal Covers	P-Frame	Short lug cover 3P	S33932	165.00
		Short lug cover 4P	S33933	216.00
		Long lug cover 3P	S33934	216.00
		Long lug cover 4P	S33935	281.00
Replacement Handle	R-Frame	S33997	111.00	
	M-, P-Frame	S46998	44.10	
	Long	M-, P-Frame	S46996	44.10

♦ DE2F discount schedule.

Table 7.85: Rear Connections

Device	Description	H-Frame			J-Frame				D-Frame				
		Poles	Factory-Installed Termination No.	Field-Installable Cat. No.	\$ Price	Poles	Factory-Installed Termination No.	Field-Installed Cat. No.	\$ Price	Poles	Factory-Installed Termination No.	Field-Installed Cat. No.	\$ Price
Mixed Rear Connection Kit		2	S	—	297.00	2	S	—	297.00	3	S	—	848.00
		3	S	S37432	381.00	3	S	S37437	381.00	4	S	—	1122.00
Consisting of:	Short rear connections (set of 2)	2 or 3	—	2x S37438▼	84.00	2 or 3	—	2x S37438▼	84.00	3	—	2x S32475▼	219.00
	Long rear connections (set of 2)		—	S37434	105.00		—	S37439★	105.00		—	S32476	261.00
	Short terminal cover (3P)		—	S37436	119.00		—	S37440	119.00		—	S32562	149.00

★ For use with 3P circuit breakers only.

▼ Price shown is for quantity one.

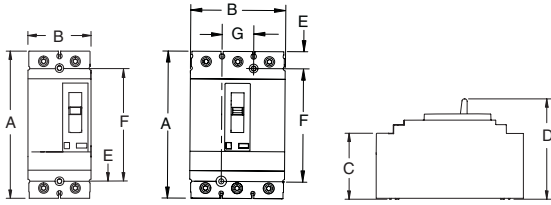


Figure 25

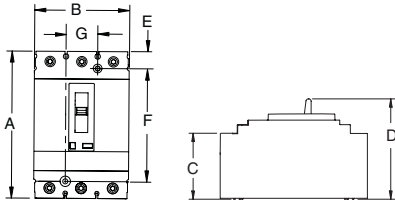


Figure 26

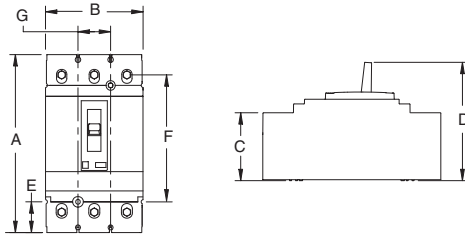


Figure 27

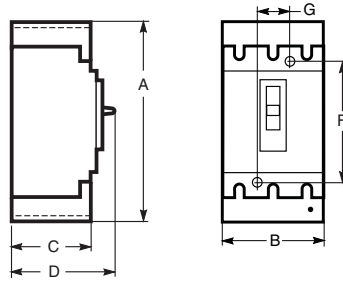


Figure 28

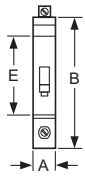


Figure 29

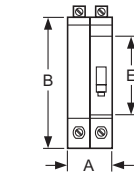


Figure 30

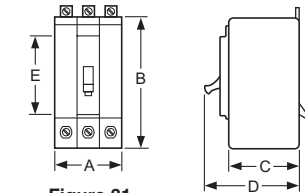


Figure 31

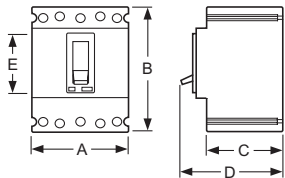


Figure 32

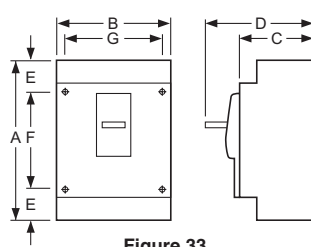


Figure 33

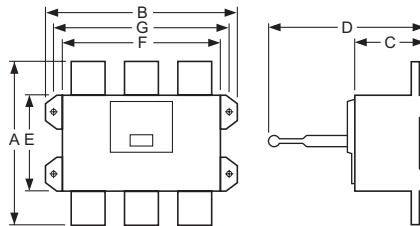


Figure 34

Table 7.143: HD, HG, HJ, HL, JD, JG, JJ, JL, DG, DJ, and DL Circuit Breakers

Circuit Breaker Cat. No. Prefix	No. of Poles	Fig. No.	Dimensions — Inches						
			A	B	C	D	E	F	G
HD, HG, HJ, HL	2	25	6.40	2.74	2.87	4.36	0.74	4.92	—
	3	26	6.40	4.12	2.87	4.36	0.74	4.92	1.38
JJ, JG, JJ, JL	3	27	7.52	4.12	2.87	5.00	1.30	4.92	1.38
DG, DJ, DL	3	28	13.38	5.51	3.75	6.61	2.22	8.93	1.77

Table 7.144: ED, EG, EJ and GJL Circuit Breakers

Circuit Breaker Cat. No. Prefix	No. of Poles	Fig. No.	Dimensions — Inches				
			A	B	C	D	E
ED, EG, EJ	1	29	0.98	5.66	3.09	4.05	3.32
ED, EG, EJ	2	30	1.96	5.66	3.09	4.05	3.32
ED, EG, EJ	3	31	2.94	5.66	3.09	4.05	3.32
GJ	3	32	3.54	4.72	2.76	3.94	2.20

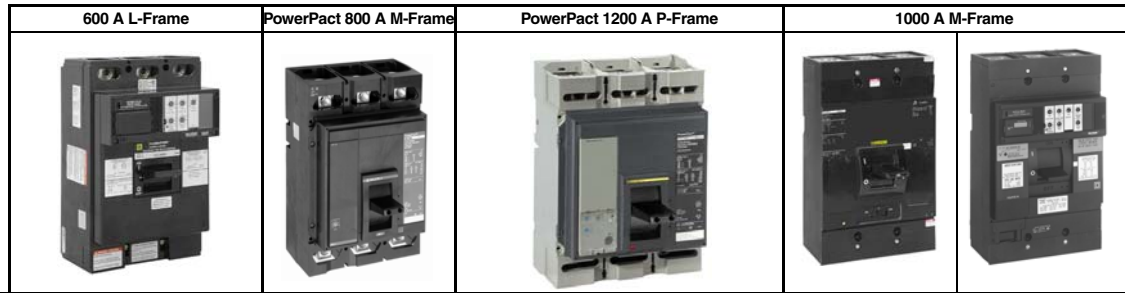
Table 7.145: MG, MJ, PG, PJ, PL, RG, RJ and RL Circuit Breakers

Circuit Breaker Cat. No. Prefix	No. of Poles	Fig. No.	Dimensions — Inches						
			A	B	C	D	E	F	G
MG, MJ (800 A and below)	2, 3	33	12.86	8.27	5.77	8.05	2.49	7.87	7.83
PG, PJ, PK, PL (1000–1200 A)	2, 3	33	16.16	8.27	5.77	8.05	4.19	7.87	7.83
RG, RJ, RL	2, 3	34	16.24	16.54	6.63	14.49	8.73	14.25	15.35

Table 7.146: Shipping Weights▲

Frame Size	Approx. Shipping Weight (Lbs.)	Frame Size	Approx. Shipping Weight (Lbs.)
HD, HG, HJ, HL 2P	4	DG, DJ, DL	14
HD, HG, HJ, HL 3P	5	GJ	3
JD, JG, JJ, JL	5	MG, MJ	34
ED, EG, EJ 1P	2	PG, PJ, PL	32
ED, EG, EJ 2P	3	RG, RJ, RL (Without RLTB)	52
ED, EG, EJ 3P	4		

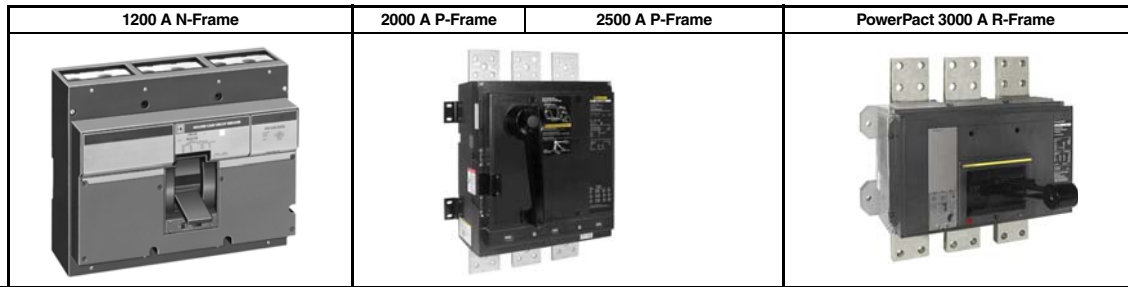
▲ All weights are for 3P circuit breakers unless otherwise noted.



	600 A L-Frame			PowerPact 800 A M-Frame		PowerPact 1200 A P-Frame				1000 A M-Frame				
Circuit Breaker Type	LX	LXI	LE	MG	MJ	PG	PJ	PK	PL	MA	MH	MX	ME	
Number of Poles	3	3	3	2, 3	2, 3	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3	2, 3	3	3	
Current Range	100-600	100-600	100-600	300-800	300-800	100-1200	100-1200	100-1200	100-1200	300-1200	300-1200	450-800	450-800	
Interrupting Ratings														
UL/CSA/NOM Rating (kA RMS) (50/60 Hz ■)	240 Vac	100	200	100	65	100	65	100	65	125	42	65	65	65
	480Y/277 Vac	65	200	65	35	65	35	65	50	100	30	65	65	65
	480 Vac	65	200	65	35	65	35	65	50	100	30	65	65	65
	600Y/347 Vac	35	100	35	18	25	18	25	50	25	22	25	25	25
DC Ratings	600 Vac	35	100	35	18	25	18	25	50	25	22	25	25	25
	250 Vdc	—	—	—	—	—	—	—	—	—	14	50	—	—
	500 Vdc▲	—	—	—	—	—	—	—	—	—	—	20	—	—
IEC (kA RMS) Icu/Ics ◆	240 Vac	—	—	—	50/25	65/35	50/25	65/35	50/25	125/65	—	—	—	—
	415 Vac	65/65Δ	—	65/65Δ	35/20	50/25	35/20	50/25	50/25	85/45	30/30	65/33	65/33	65/33
IEC 50/60 Hz	For additional IEC ratings, see the Supplemental Digest.										For additional IEC ratings, see the Supplemental Digest.			
Special Ratings														
Fed. Specs W-C-375B/GEN	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HACR (2P, 3P)	—	—	—	X	X	X	X	X	X	X	X	X	—	—
Connections/Terminations														
Unit Mount	X	X	X	X	X	X	X	X	X	X	X	X	X	X
I-Line®	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Rear Connection	—	—	—	—	—	—	—	—	—	—	X	X	—	—
Drawout	—	—	—	—	—	X▼	X▼	X▼	X▼	—	—	—	—	—
Optional Lugs	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Accessories and Modifications														
Shunt Trip	X	X	X	X	X	X	X	X	X	X	X	X	X▼	X▼
Undervoltage Trip	X	X	X	X	X	X	X	X	X	X	X	X	X▼	X▼
Auxiliary Switches	X	X	X	X	X	X	X	X	X	X	X	X	X▼	X▼
Alarm Switch	X	X	X	X	X	X	X	X	X	X	X	X	X▼	X▼
Motor Operator	—	—	—	—	—	X▼	X▼	X▼	X▼	X	X	—	—	—
Handle Operators	—	—	—	—	—	X▼	X▼	X▼	X▼	X	X	X	X	X
Mechanical Interlocks (3P)	—	—	—	—	—	X	X	X	X	X★	X★	—	—	—
Handle Padlock Attachment	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cylinder Lock (3P)	—	—	—	X	X	—	—	—	—	X	X	—	—	—
Optional GF Protection	X▼	X▼	X▼	—	—	X	X	X	X	—	—	X▼	X▼	—
Trip System Type														
Thermal-magnetic	—	—	—	—	—	—	—	—	—	X	X	—	—	—
Instantaneous-only (MCP)	—	—	—	—	—	—	X	X	—	X	X	—	—	—
Molded Case Switch (Automatic)	—	—	—	—	—	X	X	X	X	—	X	—	—	—
Electronic	X	X	X	X	X	X	X	X	X	—	—	X	—	X
Enclosures (Pages 7-56-7-58)														
General Purpose (NEMA 1)	—	—	—	X	X	X	X	X	X	X	X	X	X	X
Raintight (NEMA 3R)	—	—	—	X	X	X	X	X	X	X	X	X	X	X
Dust-tight (NEMA 12)	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Watertight (NEMA 4, 4X, 5)	—	—	—	X	X	—	—	—	—	X	X	X	X	X
Explosion Proof (NEMA 7, 9)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dimensions (3P Unit Mount)	Height—in. (mm)	11.86 (301)			12.80 (325)		16.20 (413)				14 (356)			
	Width—in. (mm)	7.5 (190)			8.30 (210)		8.30 (210)				9 (229)			
	Depth—in. (mm)	6.74 (171)			8.10 (205)		8.10 (205)				6.5 (165)			
Pages (Unit Mount)/(I-Line)	Page 7-52/9-28			Page 7-25/9-28		Page 7-26, 7-30, 7-33/9-29				Supplemental Digest Section 3				

Note: All circuit breakers on this chart are UL Listed and CSA Certified unless otherwise noted.

- ▲ Ungrounded UPS systems only. See page 7-34.
- UL PowerPact MG/MJ and PG/PJ/PK/PL are 60 Hz only.
- ◆ Dual UL and IEC ratings and CE markings on circuit breakers. For additional IEC ratings, see the Supplemental Digest.
- ★ Requires breaker with WB suffix
- ▼ Factory-installed option only.
- △ 65/50 kA Icu/Ics for 450-600 A ratings.



	1200 A N-Frame				2000 A P-Frame		2500 A P-Frame			PowerPact 3000 A R-Frame				
Circuit Breaker Type	NA	NC	NX	NE	PA	PH	PC	PX	PE	RG	RJ	RK	RL	
Number of Poles	2, 3	2, 3	3	3	2, 3	2, 3	2, 3	3	3	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	
Current Range	600-1200	600-1200	600-1200	600-1200	600-2000	600-2000	1600-2500	600-2500	600-2500	240-3000	240-3000	240-3000	240-3000	
Interrupting Ratings														
UL/CSA/NOM Rating (kA RMS) (50/60 Hz)	240 Vac	100	125	125	125	65	125	125	125	125	65	100	65	125
	480Y/277 Vac	50	100	100	100	50	100	100	100	100	35	65	65	100
	480 Vac	50	100	100	100	50	100	100	100	100	35	65	65	100
	600Y/347 Vac	25	65	65	65	42	65	65	65	65	18	25	65	50
DC Ratings	250 Vdc	—	—	—	—	—	—	—	—	—	—	—	—	—
	500 Vdc▲	—	—	—	—	25	—	25	—	—	—	—	—	—
IEC (kA RMS) Icu/Ics■	240 Vac	—	—	—	—	—	—	—	—	—	50/25	65/35	85/65	125/65
	415 Vac	50/25	70/35	70/35	70/35	50/38	70/53	70/53	70/53	70/53	35/20	50/25	70/55	85/45
IEC 50/60 Hz	For additional IEC ratings, see the Supplemental Digest.													
Special Ratings														
Fed. Specs W-C-375B/GEN	X	X	X	X	X	X	X	X	—	—	X	X	X	X
HACR (2P, 3P)	—	—	—	—	—	—	—	—	—	—	X	X	X	X
Connections/Terminations														
Unit Mount	X	X	X	X	X	X	X	X	X	X	X	X	X	X
I-Line®	X	X	X	X	—	—	—	—	—	X★	X★	X★	X★	—
Rear Connection	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Drawout	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Optional Lugs	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Accessories and Modifications														
Shunt Trip	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Undervoltage Trip	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Auxiliary Switches	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Alarm Switch	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Motor Operator	—	—	—	—	X	X	X	X	X	—	—	—	—	—
Handle Operators	X	X	X	X	—	—	—	—	—	—	—	—	—	—
Mechanical Interlocks (3P)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Handle Padlock Attachment	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cylinder Lock (3P)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Optional GF Protection	—	—	X♦	X♦	—	—	—	X♦	X♦	X	X	X	X	X
Trip System Type														
Thermal-magnetic	X	X	—	—	X	X	X	—	—	—	—	—	—	—
Instantaneous-only (MCP)	X	X	—	—	—	—	—	—	—	—	—	—	—	—
Molded Case Switch (Automatic)	—	X	—	—	—	X	X	—	—	X	X	X	X	
Electronic	—	—	X	X	—	—	—	X	X	X	X	X	X	
Enclosures (Pages 7-56-7-58)														
General Purpose (NEMA 1)	—	—	—	—	X	X	X	X	X	—	—	—	—	
Raintight (NEMA 3R)	X	X	X	—	X	X	X	X	X	—	—	—	—	
Dust-tight (NEMA 12)	X	X	X	—	—	—	—	—	—	—	—	—	—	
Watertight (NEMA 4, 4X, 5)	—	—	—	—	—	—	—	—	—	—	—	—	—	
Explosion Proof (NEMA 7, 9)	—	—	—	—	—	—	—	—	—	—	—	—	—	
Dimensions (3P Unit Mount)	Height-in. (mm)	12.12 (308)				20.06 (510)		26.1 (663)		20.06 (510)		15 (381)		
	Width-in. (mm)	15 (381)				13.7 (348)		23.3 (592)		13.7 (348)		16.50 (420)		
	Depth-in. (mm)	8.07 (205)				10.47 (266)		16.55 (420)		10.47 (266)		14.40 (366)		
Pages (Unit Mount)/(I-Line)	Supplemental Digest Section 3					Supplemental Digest Section 3					Page 7-27, 7-33/9-30			

Note: All circuit breakers on this chart are UL Listed and CSA Certified unless otherwise noted.

- ▲ Ungrounded UPS systems only. See page 7-34.
- Dual UL and IEC ratings and CE markings on circuit breakers. For additional IEC ratings, see the Supplemental Digest.
- ♦ Factory-installed option only.
- ★ 1000 A and 1200 A only.

7 MINIATURE AND MOLDED CASE CIRCUIT BREAKERS