

PowerPact® and Series B Micrologic®

Interrupt Ratings (kA)

	G	J	L
240 V	65	100	125
480 V	35	65	100
600 V	18	25	—

	LX	LE	LXI
240 V	100	100	200
480 V	65	65	200
600 V	35	35	100

Table 9.129: Micrologic Circuit Breakers / L-frame—600 A, Series B Micrologic Trip Unit—3-pole, 600 V

Sensor Size	Ampere Rating	Trip Function	Standard Function		Standard Function Current Limiting		100% Rated ▲, Full Function ■		Installed Rating Plug	Terminal Wire Range
			Catalog No.	\$ Price	Catalog No.	\$ Price	Catalog No.	\$ Price		
250	100	LI	—	—	—	—	LE36100LI	8078.	ARP040	AL600LI35 two #1 AWG— 350 kcmil AL or Cu
		LSI	LX36100	5898.	LXI36100	11825.	LE36100LS	13421.		
		LIG	—	—	—	—	LE36100LIG	10154.		
		LSIG	LX36100G	7974.	LXI36100G	13901.	LE36100LSG	15497.		
		LI	—	—	—	—	LE36125LI	8078.		
		LSI	LX36125	5898.	LXI36125	11825.	LE36125LS	13421.		
	125	LIG	—	—	—	—	LE36125LIG	10154.	ARP050	
		LSIG	LX36125G	7974.	LXI36125G	13901.	LE36125LSG	15497.		
		LI	—	—	—	—	LE36150LI	8078.		
		LSI	LX36150	5898.	LXI36150	11825.	LE36150LS	13421.		
		LIG	—	—	—	—	LE36150LIG	10154.		
		LSIG	LX36150G	7974.	LXI36150G	13901.	LE36150LSG	15497.		
	150	LI	—	—	—	—	LE36175LI	8078.	ARP060	
		LSI	LX36175	5898.	LXI36175	11825.	LE36175LS	13421.		
		LIG	—	—	—	—	LE36175LIG	10154.		
		LSIG	LX36175G	7974.	LXI36175G	13901.	LE36175LSG	15497.		
		LI	—	—	—	—	LE36200LI	8078.		
		LSI	LX36200	5898.	LXI36200	11825.	LE36200LS	13421.		
	175	LIG	—	—	—	—	LE36200LIG	10154.	ARP070	
		LSIG	LX36200G	7974.	LXI36200G	13901.	LE36200LSG	15497.		
		LI	—	—	—	—	LE36225LI	8078.		
		LSI	LX36225	5898.	LXI36225	11825.	LE36225LS	13421.		
		LIG	—	—	—	—	LE36225LIG	10154.		
		LSIG	LX36225G	7974.	LXI36225G	13901.	LE36225LSG	15497.		
200	LI	—	—	—	—	LE36250LI	8078.	ARP080		
	LSI	LX36250	5898.	LXI36250	11825.	LE36250LS	13421.			
	LIG	—	—	—	—	LE36250LIG	10154.			
	LSIG	LX36250G	7974.	LXI36250G	13901.	LE36250LSG	15497.			
	LI	—	—	—	—	LE36300LI	11223.			
	LSI	LX36300	9047.	LXI36300	17222.	LE36300LS	16566.			
225	LIG	—	—	—	—	LE36300LIG	13299.	ARP090		
	LSIG	LX36300G	11123.	LXI36300G	19298.	LE36300LSG	18642.			
	LI	—	—	—	—	LE36350LI	11223.			
	LSI	LX36350	9047.	LXI36350	17222.	LE36350LS	16566.			
	LIG	—	—	—	—	LE36350LIG	13299.			
	LSIG	LX36350G	11123.	LXI36350G	19298.	LE36350LSG	18642.			
250	LI	—	—	—	—	LE36400LI	11223.	ARP100		
	LSI	LX36400	9047.	LXI36400	17222.	LE36400LS	16566.			
	LIG	—	—	—	—	LE36400LIG	13299.			
	LSIG	LX36400G	11123.	LXI36400G	19298.	LE36400LSG	18642.			
	LI	—	—	—	—	LE36450LI	15422.			
	LSI	LX36450	13241.	LXI36450	24413.	LE36450LS	20765.			
300	LIG	—	—	—	—	LE36450LIG	17498.	ARP075		
	LSIG	LX36450G	15317.	LXI36450G	26489.	LE36450LSG	22841.			
	LI	—	—	—	—	LE36500LI	15422.			
	LSI	LX36500	13241.	LXI36500	9413.	LE36500LS	20765.			
	LIG	—	—	—	—	LE36500LIG	17498.			
	LSIG	LX36500G	15317.	LXI36500G	26489.	LE36500LSG	22841.			
350	LI	—	—	—	—	LE36600LI	15422.	ARP088		
	LSI	LX36600	13241.	LXI36600	24413.	LE36600LS	20765.			
	LIG	—	—	—	—	LE36600LIG	17498.			
	LSIG	LX36600G	15317.	LXI36600G	26489.	LE36600LSG	22841.			
	LI	—	—	—	—	LE36600LI	15422.			
	LSI	LX36600	13241.	LXI36600	24413.	LE36600LS	20765.			
400	LIG	—	—	—	—	LE36600LIG	17498.	ARP083		
	LSIG	LX36600G	15317.	LXI36600G	26489.	LE36600LSG	22841.			
	LI	—	—	—	—	LE36600LI	15422.			
	LSI	LX36600	13241.	LXI36600	24413.	LE36600LS	20765.			
	LIG	—	—	—	—	LE36600LIG	17498.			
	LSIG	LX36600G	15317.	LXI36600G	26489.	LE36600LSG	22841.			
450	LI	—	—	—	—	LE36600LI	15422.	ARP100		
	LSI	LX36600	13241.	LXI36600	24413.	LE36600LS	20765.			
	LIG	—	—	—	—	LE36600LIG	17498.			
	LSIG	LX36600G	15317.	LXI36600G	26489.	LE36600LSG	22841.			
	LI	—	—	—	—	LE36600LI	15422.			
	LSI	LX36600	13241.	LXI36600	24413.	LE36600LS	20765.			
500	LIG	—	—	—	—	LE36600LIG	17498.	ARP075		
	LSIG	LX36600G	15317.	LXI36600G	26489.	LE36600LSG	22841.			
	LI	—	—	—	—	LE36600LI	15422.			
	LSI	LX36600	13241.	LXI36600	24413.	LE36600LS	20765.			
	LIG	—	—	—	—	LE36600LIG	17498.			
	LSIG	LX36600G	15317.	LXI36600G	26489.	LE36600LSG	22841.			
600 ▲	LI	—	—	—	—	LE36600LI	15422.	ARP083		
	LSI	LX36600	13241.	LXI36600	24413.	LE36600LS	20765.			
	LIG	—	—	—	—	LE36600LIG	17498.			
	LSIG	LX36600G	15317.	LXI36600G	26489.	LE36600LSG	22841.			
	LI	—	—	—	—	LE36600LI	15422.			
	LSI	LX36600	13241.	LXI36600	24413.	LE36600LS	20765.			
600 ▲	LIG	—	—	—	—	LE36600LIG	17498.	ARP100		
	LSIG	LX36600G	15317.	LXI36600G	26489.	LE36600LSG	22841.			

▲ Substitute (A) in place of (G) for ground-fault alarm (pick up indication only). No instantaneous OFF position for LI or LIG circuit breakers.
■ 600 Ampere sensor is standard rated.

Table 9.130: PowerPact M-frame—800 A ▲

	Ampere Rating	Adjustable Instantaneous Trip Range ■		G Interrupting		J Interrupting		Terminal Wire Range
		Low	High	Catalog Number ◆	\$ Price	Catalog Number ◆	\$ Price	
2-pole, 600 Vac, 50/60 Hz	300	600	3000	MGA26300()	6633.	MJA26300()	8253.	3-3/0 through 500 kcmil Al or Cu
	350	700	3500	MGA26350()		MJA26350()		
	400	800	4000	MGA26400()		MJA26400()		
	450	900	4500	MGA26450()		MJA26450()		
	500	1000	5000	MGA26500()		MJA26500()		
	600	1200	6000	MGA26600()		MJA26600()		
	700	1400	7000	MGA26700()		MJA26700()		
	800	1600	8000	MGA26800()		MJA26800()		
3-pole, 600 Vac, 50/60 Hz	300	600	3000	MGA36300	8168.	MJA36300	9929.	3-3/0 through 500 kcmil Al or Cu
	350	700	3500	MGA36350		MJA36350		
	400	800	4000	MGA36400		MJA36400		
	450	900	4500	MGA36450		MJA36450		
	500	1000	5000	MGA36500		MJA36500		
	600	1200	6000	MGA36600		MJA36600		
	700	1400	7000	MGA36700		MJA36700		
	800	1600	8000	MGA36800		MJA36800		
				10608.		12630.		

▲ The ET 1.0 trip unit cannot be field replaced, nor does it allow adjustment of the long-time trip point setting. It is considered an electronic equivalent of a thermal-magnet circuit breaker.
■ UL magnetic trip setting tolerances are ±10% from the nominal values shown.
◆ Fill in parentheses with the following phase connection options: (2) for AC and (5) for CA.

L-Frame accessories Supplemental & Obsolescence Digest page 7-35
L-Frame dimensions starting on page 7-53
L-Frame optional lugs page 7-50
M & P-Frame accessories page 7-35
M & P-Frame dimensions page 7-54
M & P-Frame optional lugs page 7-38

	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	240 Vac	35	100	35	18	25	18	25	50	25	22	25	25	25
	250 Vdc	—	—	—	—	—	—	—	—	—	14	50	—	—
IEC (kA RMS) Icu/Ics	500 Vdc▲	—	—	—	—	—	—	—	—	—	—	20	—	—
	240 Vac	—	—	—	50/25	65/35	50/25	65/35	50/25	125/65	—	—	—	—
IEC 50/60 Hz	415 Vac	65/65△	—	65/65△	35/20	50/25	35/20	50/25	50/25	85/45	30/30	65/33	65/33	65/33
	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	—	—
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	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 450–800 A ratings.

7 MINIATURE AND MOLDED CASE CIRCUIT BREAKERS

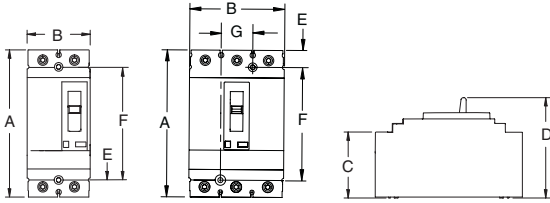


Figure 25

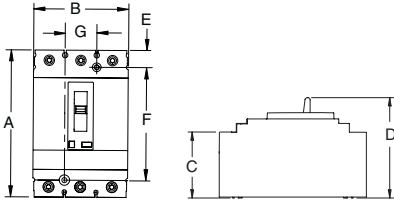


Figure 26

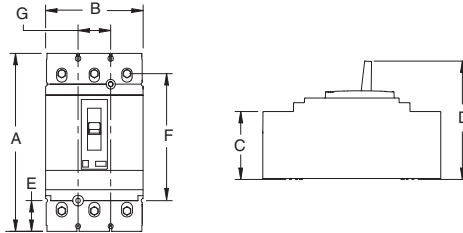


Figure 27

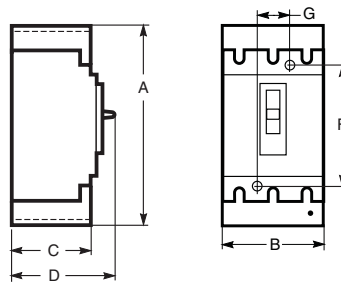


Figure 28

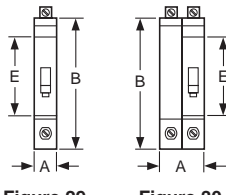


Figure 29

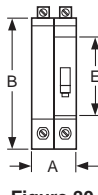


Figure 30

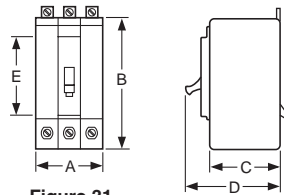


Figure 31

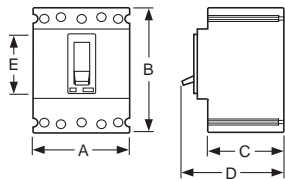


Figure 32

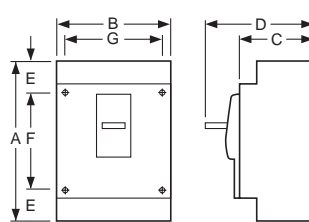


Figure 33

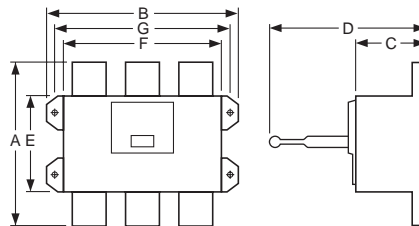


Figure 34

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
JD, 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.



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NF Panelboards
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QMB Panelboards
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