

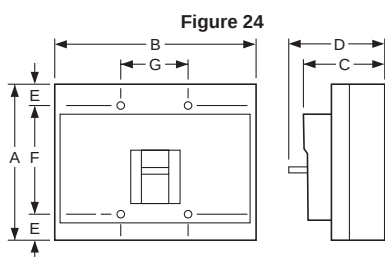
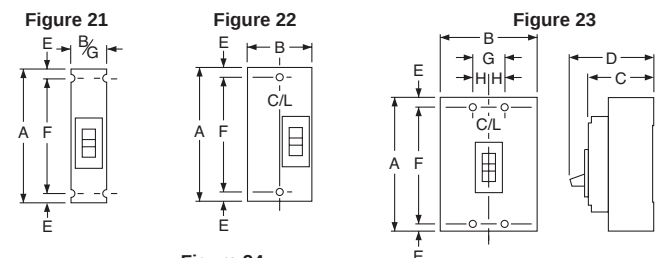
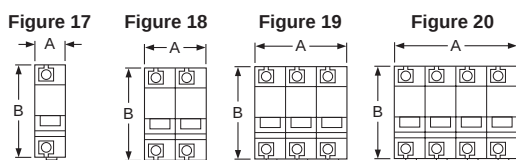
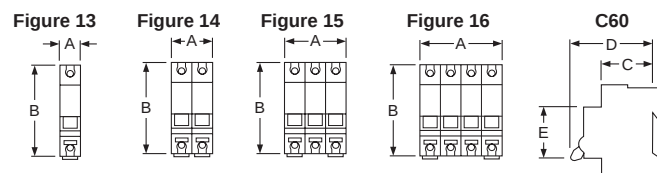
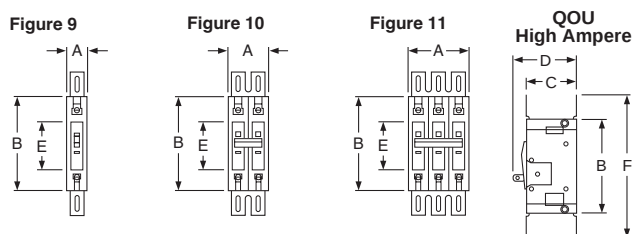
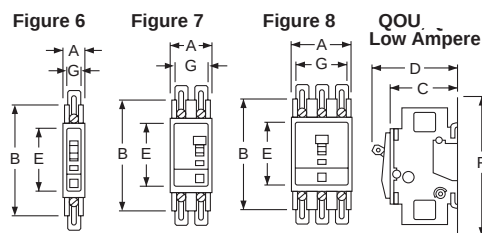
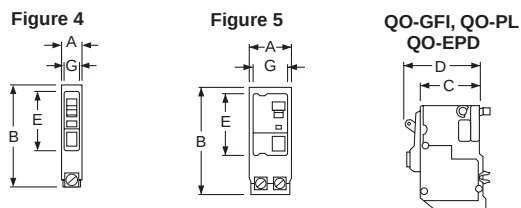
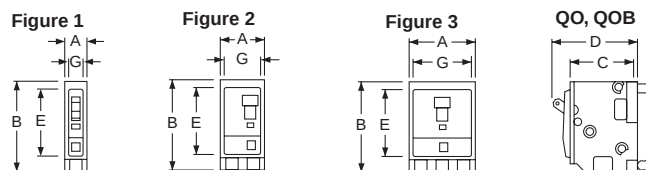
	250 A K-Frame	400 A L-Frame			600 A L-Frame	
						
Circuit Breaker Type	KI	Q4	LA	LH	LI	LXI
Number of Poles	2, 3	2, 3	2, 3	2, 3	2, 3	3
Current Range	110–250	250–400	125–400	125–400	300–600	100–600
Interrupting Ratings						
UL/CSA/NOM Rating (kA RMS) (50/60 Hz)	240 Vac	200	25	42	65	200
	480Y/277 Vac	200	—	30	35	200
	480 Vac	200	—	30	35	200
	600Y/347 Vac	100	—	22	25	100
DC Ratings	600 Vac	100	—	22	25	100
	250 Vdc	—	—	10	50	—
	500 Vdc▲	—	—	—	20	—
IEC 60947-2 (kA RMS) Icu/Ics■	240 Vac	—	—	—	—	—
	415 Vac	130/65	—	20/5	20/5	—
Special Ratings						
CCC	—	—	—	—	—	—
Fed. Specs W-C-375B/GEN	X	X	X	X	X	X
HACR (2P, 3P)	—	—	X	X	—	—
Connections/Terminations						
Unit Mount	X	X	X	X	X	X
I-Line™	X	X	X	X	X	X
Rear Connection	—	X	X	X	—	—
Drawout	—	—	—	—	—	—
Optional Lugs	X	X	X	X	X	X
Accessories and Modifications						
Shunt Trip	X♦	X	X	X	X	—
Undervoltage Trip	X♦	X	X	X	X	X
Auxiliary Switches	X♦	X	X	X	X	X
Alarm Switch	X♦	X	X	X	X	X
Motor Operator	X	X	X	X	—	—
Handle Operators	—	X	X	X	—	—
Mechanical Interlocks (3P)	—	—	X★	X★	—	—
Handle Padlock Attachment	X	X	X	X	X	X
Cylinder Lock (3P)	—	X	X	X	—	—
Optional GF Protection	X▼♦	—	—	—	—	X★
Trip System Type						
Thermal-magnetic	X	X	X	X	X	—
Instantaneous-only (MCP)	—	—	X	X	—	—
Molded Case Switch (Automatic)	—	—	—	X	—	—
Electronic	—	—	—	—	—	X
Enclosures (Pages DE3-56–DE3-58)						
General Purpose (NEMA 1)	—	X	X	X	—	—
Raintight (NEMA 3R)	X	X	X	X	—	—
Dust-tight (NEMA 12)	X	X	X	X	X	X
Watertight (NEMA 4, 4X, 5)	X	X	X	X	—	—
Explosion Proof (NEMA 7, 9)	—	—	—	—	—	—
Dimensions (3P Unit Mount) in. (mm)	Height	8 (203)	11 (279)		11.86 (301)	
	Width	4.5 (114)	6 (152)		7.5 (190)	
	Depth	4.75 (121)	5.84 (148)		6.74 (171)	
Pages (Unit Mount)/(I-Line)		DE3-61 / Section DE5		DE3-60 / Section DE5		DE3-61 / Section DE5

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

- ▲ Ungrounded UPS systems only. See page DE3-35.
- Dual CSA/UL and IEC ratings and CE markings on circuit breakers.
- ♦ Factory-installed option only.
- ★ Requires circuit breaker with WB suffix.
- ▼ Requires factory-installed "G" Shunt trip. Available only for 3P.
- △ 65/50 kA Icu/Ics for 450 A–600 A ratings

Dimensions and Shipping Weights

Miniature and Molded Case Circuit Breakers



QO™, QOU, Multi 9™ Circuit Breakers

Circuit Breaker Catalogue No. Prefix	No. Poles	Fig. No.	Dimensions—Inches						
			A	B	C	D	E	F	G
QO, QOB	1	1	0.75	3.00▲	2.31	2.91	2.25	...	0.59
	2	2	1.50	3.00▲	2.31	2.91	2.25	...	1.34
	3	3	2.25	3.00▲	2.31	2.91	2.25	...	2.09
QOB-VH 150 A QOB-VH 110–150 A	2	2	3.0	5.72	2.53	4.90	3.78	...	2.85
	3	3	4.50	5.72	2.53	4.90	3.78	...	4.35
QO-PL QO-GFI QO-EPD	1	4	0.75	4.12■	2.31	2.91	2.25	...	0.59
	2	5	1.50	4.12■	2.31	2.91	2.25	...	1.34
	3	5	2.25	4.12■	2.31	2.91	2.25	...	2.09
QOU Low Ampere	1	6	0.75	4.05♦	2.38	2.98	2.25	5.00▼	0.62
	2	7	1.50	4.05♦	2.38	2.98	2.25	5.00▼	1.37
	3	8	2.25	4.05★	2.38	2.98	2.25	5.00△	2.12
QOU High Ampere	1	9	0.75	4.45	2.37	2.96	2.25	6.78	...
	2	10	1.50	4.45	2.37	2.96	2.25	6.78	...
	3	11	2.25	4.45	2.37	2.96	2.25	6.78	...
Multi 9™ C60	1	13	0.71	3.19	1.73	2.76	1.77	—	—
	2	14	1.42	3.19	1.73	2.76	1.77	—	—
	3	15	2.13	3.19	1.73	2.76	1.77	—	—
	4	16	2.84	3.19	1.73	2.76	1.77	—	—

- ▲ 35–70 A is 3.12 in; 80–100 A 2-pole and 70–100 A 3-pole are 3.50 in.
- QO-PL is 4.55 in.
- ♦ 80–100 A 1-pole and 80–125 A 2-pole are 4.45 in.
- ★ 70–100 A 4.45 in.
- ▼ 80–100 A 1-pole and 80–125 A 2-pole are 6.78 in.
- △ 70–100 A is 6.78 in.

QB, QD, QG, QJ, Q4, FA, FI, KI, LA, LH Circuit Breakers

Circuit Breaker Catalogue No. Prefix	No. Poles	Fig. No.	Dimensions—Inches							
			A	B	C	D	E	F	G	H
QB, QD, QG, QJ	2	22	6.47	3.00	3.02	3.93	□	4.25	...	...
	3	23	6.47	4.50	3.02	3.93	□	4.25	1.50	0.75
FAL, FHL	1	21	6.00	1.50	3.16	4.13	0.44	5.13	1.50	...
	2	22	6.00	3.00	3.16	4.13	0.44	5.13	...	...
	3	23	6.00	4.50	3.16	4.13	0.44	5.13	1.50	0.75
FIL, KIL	2 & 3	23	8.00	4.50	3.66	4.75	0.44	7.13	1.50	0.75
Q4L, LAL, LHL	2 & 3	23	11.00	6.00	4.06	5.84	0.88	9.25	2.00	1.00

- Dimensions E are 1.59 in at ON end and 0.63 in at OFF end.

Shipping Weights ♦

Frame Size	Approx. Shipping Weight (Lbs.)	Frame Size	Approx. Shipping Weight (Lbs.)
FAL, FHL 1P	2	KIL	9
FAL, FHL 2P	3	LAL, LHL	15
FAL, FHL 3P	5	LIL LXIL	25
FIL	8	Q4L	15
QB, QD, QG, QJ	4		

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

Moulded Case Circuit Breaker

FIL - KIL - LIL

Ampere Rating	AC Magnetic Trip Settings Amperes	Two Pole		Three Pole		Standard Lug Kit Wire Range
		Catalogue No.	Price	Catalogue No.	Price	

100 Ampere Frame

FIL Current Limiting I-Limiter

	Hold	Trip	600Vac		600Vac		
20	275	600	FIL26020		FIL36020		AL50FA
30	275	600	FIL26030		FIL36030		1-#14-#4 Cu or 1-#12-#4 Al
40	400	850	FIL26040		FIL36040		AL100FA 1-#14-1/0 Cu or 1-#12-1/0 Al
50	400	850	FIL26050		FIL36050		
60	800	1450	FIL26060		FIL36060		
70	800	1450	FIL26070		FIL36070		
80	800	1450	FIL26080		FIL36080		
90	900	1700	FIL26090		FIL36090		
100	900	1700	FIL26100		FIL36100		

250 Ampere Frame

KIL Current Limiting I-Limiter

	Low	High	600Vac		600Vac		
110	550	1100	KIL26110		KIL36110		AL250KA 1-#4-350 kcmil
125	625	1250	KIL26125		KIL36125		
150	750	1500	KIL26150		KIL36150		
175	875	1750	KIL26175		KIL36175		
200	1000	2000	KIL26200		KIL36200		AL250KI 1-1/0-350 kcmil
225	1125	2250	KIL26225		KIL36225		
250	1250	2500	KIL26250		KIL36250		

400 Ampere Frame

LIL Current Limiting I-Limiter

	Low	High	600Vac		600Vac		
300	1500	3200	LIL26300		LIL36300		AL600LI5 2-4/0-500 kcmil
350	1750	3200	LIL26350		LIL36350		
400	2000	3200	LIL26400		LIL36400		

600 Ampere Frame

LIL Current Limiting I-Limiter

	Low	High	600Vac		600Vac		
450	2250	4200	LIL26450		LIL36450		AL600LI5 2-4/0-500 kcmil
500	2500	4200	LIL26500		LIL36500		
600	3000	4200	LIL26600		LIL36600		

CSA Certified Interrupting Rating
RMS Symmetrical Amperes

Breaker Cat. No. Prefix	System Voltage AC		
	240	480	600
FIL	200k	200k	100k
KIL	200k	200k	100k
LIL	200k	200k	100k

Enclosures - DE3-56
Dimensions - DE3-54



FIL36100



KIL36250



LIL36600

DE3 CIRCUIT BREAKERS