

		QOU Circuit Breakers			QOM1 and QOM2 Main Circuit Breakers		Multi 9™ Circuit Breakers and Supplementary Protectors						EDB Circuit Breakers					
																		
Circuit Breaker Type	Plug-on	—			—	—	—			—			—		—	—	—	—
	Bolt-on	—			QOM1-VH	QOM2-VH	—			—			—		EDB	EGB	EJB	
	Unit Mount	QOU			—	—	CSA C22.2 No. 5/UL 489 C60			CSA C22.2 No. 235/UL1077 C60			C60H-DC▲		—	—	—	
Number of Poles		1	2	3	2	2	1	2	3	1	2	3,4	1	2	1	2,3	1	2,3
Current Range		10–100	10–125	10–100	50–125	100–225	0.5–35	0.5–35	0.5–35	0.5–63	1–63	1–63	0.5–40	0.5–40	15–70	15–125	15–70	15–125
Interrupting Ratings																		
UL/CSA Rating (kA RMS) (50/60 Hz)	120 Vac	10	10	10	22	22	10	—	—	10	10	10	—	—	25	25	65	65
	120/240 Vac	10	10	10	22	22	5	10	10	10	10	10	—	—	18	25	35	65
	240 Vac	—	—	10	—	—	5	10	10	10	10	10	—	—	18	25	35	65
	277 Vac	—	—	—	—	—	—	—	—	5	5	5	—	—	18	18	35	65
	480Y/277 Vac	—	—	—	—	—	10	10	10	—	5	5	—	—	—	18	—	35
DC Ratings	48 Vdc	5■	5■	5■	—	—	—	—	—	10	10	—	5	5	—	—	—	—
	60 Vdc	5♦	5♦	5♦	—	—	10	10	—	—	—	—	5	5	—	—	—	—
	65 Vdc	—	—	—	—	—	—	—	—	10	10	—	5	5	—	—	—	—
	125 Vdc	—	—	—	—	—	—	10	—	—	10	—	5	5	—	—	—	—
	250 Vdc	—	—	—	—	—	—	—	—	—	—	—	5	5	—	—	—	—
	500 Vdc	—	—	—	—	—	—	—	—	—	—	—	5	—	—	—	—	—
IEC 60947-2 (50/60 Hz) Icu	240 Vac	—	—	—	—	—	20	20	20	10	10	10	20	10	20	—	—	—
	415 Vac	—	—	—	—	—	—	10	10	—	5	5	—	—	10	—	—	—
Special Ratings																		
CCC	X♦	X♦	X♦	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fed. Specs W-C-375B/GEN	X	X	X	X	X	X	X	X	—	—	—	—	—	—	X	X	X	X
Other Standard	HACR ★			—	—	—	—	—	—	—	—	—	—	—	HACR			
Accessories and Modifications																		
Shunt Trip	X▼	X▼	X▼	—	X▼	X	X	X	X	X	X	X	X	X	X▼	X▼	X▼	X▼
Undervoltage Trip	—	—	—	—	—	—	X	X	X	X	X	X	X	X	—	—	—	—
Auxiliary Switches	X▼	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▼	X▼
Handle Operators	—	—	—	—	—	—	X	X	X	X	X	X	X	X	—	—	—	—
Handle Padlock Attachment	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Trip System Type																		
Thermal-magnetic	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Molded Case Switch	—	X	X	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Dimensions (1P Unit Mount)																		
(1P Unit Mount) in. (mm)	Height	4.05 (103)			5.09 (129)△	5.60 (142)△	4.21 (107)□			3.19 (81)			3.19 (81)			5.66 (144)		
	Width	0.75 (19)			5.00 (127)△	5.07 (129)△	0.71 (18)			0.71 (18)			0.71 (18) 1.42 (36)			0.98 (25)		
	Depth	2.92 (74)			3.47 (88)△	3.60 (91)△	2.76 (70)			2.76 (70)			2.56 (65)			4.05 (103)		
Pages	Pages DE3-14			Section DE1			Pages DE3-16 through DE3-19						Section DE5					

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

- ▲ C60H-DC is a UL 1077 (not CSA certified) supplementary protector.
- 1P and 2P, 10–70 A and 3P 10–60 A only.
- ♦ QOU is CSA/UL Listed for 60 Vdc per pole 80–100 A, 1P; 80–125 A, 2P; and 70–100 A, 3P.
- ★ HACR on QOU 1P and 3P 15–100 A, 2P 15–125 A;
- ▼ Factory-installed option only
- △ QOM1 and QOM2 dimensions are for 2-pole unit.
- 480 V C60 height is 5.56 in. (141 mm).
- ◇ 15–70 A 1P and 2P, 15–60 A 3P.

Multi 9™ Miniature Circuit Breakers

CSA C22.2 No. 5/UL 489 C60 Miniature Circuit Breakers

Class 860 / Refer to Catalog 0860CT0201



1P C60
Box lug



2P C60
Box lug



3P C60
Box lug



Ring Tongue C60

Multi 9 C60 CSA C22.2 No. 5/UL 489 Listed 240 V Miniature Circuit Breakers

- UL 489 Listed and CSA 22.2 No. 5.1 for branch circuit protection
- Eliminates concerns and uncertainty of using a CSA C22.2 No. 235/UL 1077 device where a CSA C22.2 No. 5/UL 489 device is required
- Replaces fuses in low-ampere range; 17 ratings up to 35 A

Trip Curve	Use	Magnetic Release
C	For typical loads	7–10 x ampere rating (7–14 for DC)
D	For high inrush	10–14 x ampere rating

- 10 k AIR (1P @ 120 Vac; 2P and 3P @ 240 Vac)
- 60 Vdc for 1P and 125 Vdc for 2P (on C-curve circuit breakers only, see table below)
- Increased installation flexibility with standard box lugs or optional ring terminals
- Allows easy front-mounting and rear wiring when using ring terminals
- A wide range of electrical and mechanical accessories
- Suitable for reverse feeding
- Trip-free mechanism
- Positive indication of contact disconnect

CSA C22.2 No. 5/UL 489 Circuit Breakers (120/240 V)

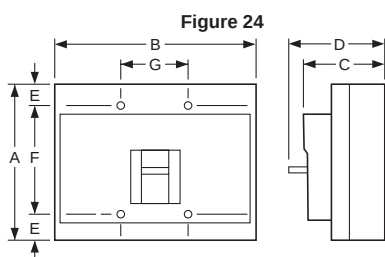
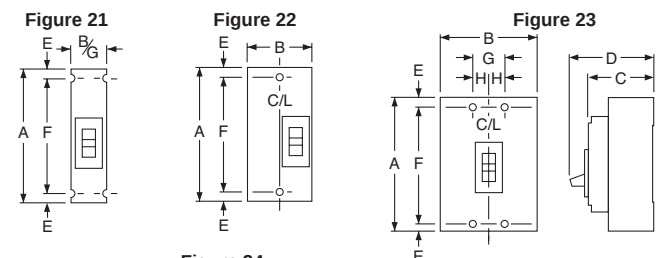
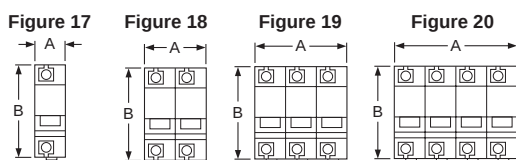
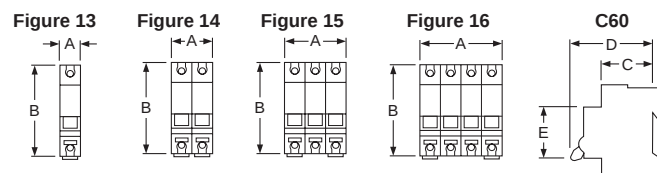
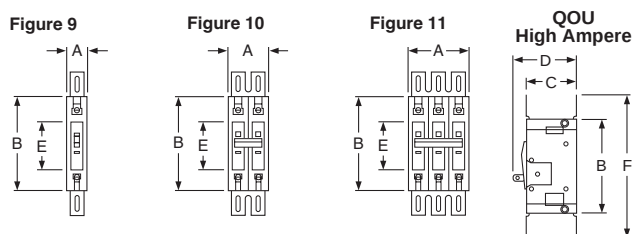
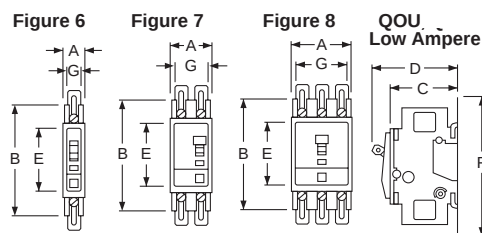
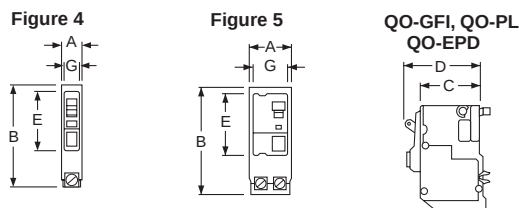
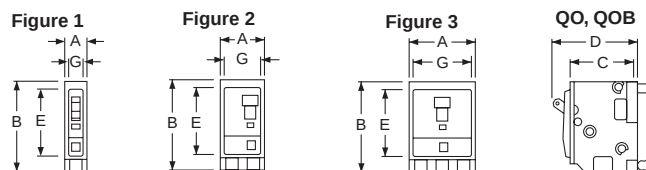
Rating (A)	C Curve—7–10 Times Ampere Rating (7–14 DC)						D Curve—10–14 Times Ampere Rating					
	1P ▲		2P ■		3P		1P		2P		3P	
	Cat. No.	\$ Price	Cat. No.	\$ Price	Cat. No.	\$ Price	Cat. No.	\$ Price	Cat. No.	\$ Price	Cat. No.	\$ Price
Box Lug/Box Lug												
0.5	60100		60134		—		60117		60151		—	
1	60101		60135		60168		60118		60152		60184	
1.5	60102		60136		60169		60119		60153		60185	
2	60103		60137		60170		60120		60154		60186	
3	60104		60138		60171		60121		60155		60187	
4	60105		60139		60172		60122		60156		60188	
5	60106		60140		60173		60123		60157		60189	
6	60107		60141		60174		60124		60158		60190	
7	60108		60142		60175		60125		60159		60191	
8	60109		60143		60176		60126		60160		60192	
10	60110		60144		60177		60127		60161		60193	
13	60111		60145		60178		60128		60162		60194	
15	60112		60146		60179		60129		60163		60195	
20	60113		60147		60180		60130		60164		60196	
25	60114		60148		60181		60131		60165		60197	
30	60115		60149		60182		60132		60166		60198	
35	60116		60150		60183		60133		60167		60199	
Ring Tongue/Ring Tongue												
0.5	60200		60234		—		60217		60251		—	
1	60201		60235		60268		60218		60252		60284	
1.5	60202		60236		60269		60219		60253		60285	
2	60203		60237		60270		60220		60254		60286	
3	60204		60238		60271		60221		60255		60287	
4	60205		60239		60272		60222		60256		60288	
5	60206		60240		60273		60223		60257		60289	
6	60207		60241		60274		60224		60258		60290	
7	60208		60242		60275		60225		60259		60291	
8	60209		60243		60276		60226		60260		60292	
10	60210		60244		60277		60227		60261		60293	
13	60211		60245		60278		60228		60262		60294	
15	60212		60246		60279		60229		60263		60295	
20	60213		60247		60280		60230		60264		60296	
25	60214		60248		60281		60231		60265		60297	
30	60215		60249		60282		60232		60266		60298	
35	60216		60250		60283		60233		60267		60299	

- ▲ 1P dual rated 120 Vac/60 Vdc.
- 2P dual rated 240 Vac/125 Vdc.

Interrupting ratings Page DE3-3
 Accessories Page DE3-20
 Dimensions Page DE3-54
 Mounting Bases Page DE3-13

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.