

Multi 9, EDB Miniature Circuit Breakers

		Multi 9™ Circuit Breakers and Supplementary Protectors						EDB Circuit Breakers								
																
Circuit Breaker Type	Plug-on	—		—		—		—		EDB		EGB		EJB		
	Bolt-on	—		—		—		—		—		—		—		
	Unit Mount	UL 489 C60			UL 1077 C60 [25]			C60H-DC			—		—		—	
Number of Poles		1	2	3	1	2	3,4	1	2	1	2,3	1	2,3	1	2,3	
Current Range (A)		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	15–70	15–125	
Interrupting Ratings																
UL/CSA Rating (kA RMS) (50/60 Hz)	120 Vac	10	—	—	10	10	10	—	—	25	25	65	65	100	100	
	120/240 Vac	5	10	10	10	10	10	—	—	18	25	35	65	65	100	
	240 Vac [26]	5	10	10	10	10	10	—	—	18	25	35	65	65	100	
	277 Vac	—	—	—	5	5	5	—	—	18	18	35	35	65	65	
	480Y/277 Vac	10	10	10	—	5	5	—	—	—	18	—	35	—	65	
DC Ratings	48 Vdc	—	—	—	10	10	—	5	5	—	—	—	—	—	—	
	60 Vdc	10	10	—	—	—	—	5	5	—	—	—	—	—	—	
	65 Vdc	—	—	—	10	10	—	5	5	—	—	—	—	—	—	
	125 Vdc	—	10	—	—	10	—	5	5	—	—	—	—	—	—	
	250 Vdc	—	—	—	—	—	—	5	5	—	—	—	—	—	—	
	500 Vdc	—	—	—	—	—	—	—	5 [27]	—	—	—	—	—	—	
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		—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Fed. Specs W-C-375B/GEN		X	X	X	—	—	—	—	—	X	X	X	X	X	X	
Other Standard		—	—	—	[28]	—	—	—	—	HACR						
Accessories and Modifications																
Shunt Trip		X	X	X	X	X	X	X	X	X [29]	X [29]	X [29]	X [29]	X [29]	X [29]	
Undervoltage Trip		X	X	X	X	X	X	X	X	—	—	—	—	—	—	
Auxiliary Switches		X	X	X	X	X	X	X	X	X [29]	X [29]	X [29]	X [29]	X [29]	X [29]	
Alarm Switch		X	X	X	X	X	X	X	X	X [29]	X [29]	X [29]	X [29]	X [29]	X [29]	
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	
Trip System Type																
Thermal-magnetic		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Molded Case Switch		—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Dimensions (1P Unit Mount)																
Dimensions (1P Unit Mount) in. (mm)	Height	4.21 (107) [30]			3.19 (81)			3.19 (81)			5.66 (144)					
	Width	0.71 (18)			0.71 (18)			0.71 (18)	1.42 (36)		0.98 (25)					
	Depth	2.76 (70)			2.76 (70)			2.56 (65)			4.05 (103)					
Pages		page 7-24						See Section 9								

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

[25] C60 are recognized components per UL 1077.
 [26] For information regarding 3Ø corner grounded systems see the Supplemental Digest, Section 3.
 [27] 2 poles must be wired in series for 500 Vdc.
 [28] UL 489A for DC Telecom applications (1-pole only).
 [29] Factory-installed option only.
 [30] 480 V C60 height is 5.56 in. (141 mm).

Multi 9 C60 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 UL 1077 device where a 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 kAIR (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

Table 7.39: UL 489 Circuit Breakers (120/240 V)

Rating (A)	Cat. No.					
	C Curve 7–10 Times Ampere Rating (7–14 DC)			D Curve 10–14 Times Ampere Rating		
	1P ^[1]	2P ^[2]	3P	1P	2P	3P
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

Interrupting ratings see page 7-5
 Accessories see page 7-28
 Dimensions see page 7-79
 Mounting Bases see page 7-16
 DIN Mounting Rail see Section 18



1P C60



2P C60



3P C60



Box Lug C60



Ring Tongue C60



Box/Ring C60

[1] 1P dual rated 120 Vac/60 Vdc.
 [2] 2P dual rated 240 Vac/125 Vdc.