

F-frame

Table 9.111: QO™ Distribution Panel—240 Vac Max. Only Mounts in Type HCM, HCP, HCP-SU, or HCR-U I-Line panelboards, 30 A max. branch circuit breaker.

Maximum No. 1-pole QO Circuit Breakers	Phase Connection	Mounting Height		2-pole Catalog Number	3-pole Catalog Number
		In.	mm		
6	AB	4.5	114	HQO206AB	—
6	BC	4.5	114	HQO206BC	—
6	AC	4.5	114	HQO206AC	—
6	ABC	4.5	114	—	HQO306



FA/FH, 1-pole
1.5 in (38 mm)
Mounting Height



FA/FH, 2-pole
3 in (76 mm)
Mounting Height



FA/FH, 3-pole
4.5 in (114 mm)
Mounting Height

Table 9.112: Example: FJA, 20 A 1-pole, 277 Vac and 70 A 2- and 3-pole QB 240 Vac. Use phase option number for HD, HG, HJ, HL, JD, JG, JJ, JL, MG, and MJ.

Phase Option Number	Phase Connection	1-pole	2-pole	3-pole
1	A	FJA140201	—	—
3	B	FJA140203	—	—
5	C	FJA140205	—	—
1	AB	—	QBA220701	—
2	AC	—	QBA220702	—
3	BA	—	QBA220703	—
4	BC	—	QBA220704	—
5	CA	—	QBA220705	—
6	CB	—	QBA220706	—
Standard [1]	ABC	—	—	QBA32070
6	CBA	—	—	QBA320706

Table 9.113: Example: FA, 30 A, 480 Vac. Use phase option letters for FH, FI, KI, LA, LH, LC, and LI.

Phase Option Letter	1-pole	2-pole	3-pole
A	FA14035A	—	—
B	FA14035B	—	—
C	FA14035C	—	—
AB	—	FA24030AB	—
AC	—	FA24030AC	—
BC	—	FA24030BC	—
ABC	—	—	FA34030
CBA	—	—	FA34030CBA

Table 9.114: Interrupt Ratings (kA)

	FA (240 V)	FA (480 V)	FJ
240 V	10	18 (1P), 25 (2, 3P)	65
277 V	—	18	65
480 V	—	18	—
600 V	—	—	—

F-frame accessories starting on Supplemental Digest Section 3.

Table 9.115: F-frame—100 A, Thermal-magnetic (240 Vac)

40 A Ampere Rating	AC Magnetic Trip Settings		FA22040() Standard Interrupting Catalog Number	Terminal Wire Range
	Hold	Trip		
2-pole, 240 Vac [2]				
15 A	275	600	FA22015()	AL50FA #14-#4 AWG Cu or #12-#4 AWG Al
20 A			FA22020()	
25 A			FA22025()	
30 A			FA22030()	
35 A	400	850	FA22035()	AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al
45 A	800	1450	FA22045()	AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al
50 A			FA22050()	
60 A			FA22060()	
70 A			FA22070()	
80 A			FA22080()	
90 A			FA22090()	
100 A	900	1700	FA22100()	AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al
3-pole, 240 Vac				
15 A	275	600	FA32015	AL50FA #14-#4 AWG Cu or #12-#4 AWG Al
20 A			FA32020	
25 A			FA32025	
30 A			FA32030	
35 A	400	850	FA32035	AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al
40 A	800	1450	FA32040	AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al
45 A			FA32045	
50 A			FA32050	
60 A			FA32060	
70 A			FA32070	
80 A			FA32080	
90 A	900	1700	FA32090	AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al
100 A	900	1700	FA32100	AL100FA #14-#1/0 AWG Cu or #12-#1/0 AWG Al

[1] The absence of a phase option number after a 3-pole catalog number will result in an ABC phase connection.

[2] 1- and 2-pole circuit breaker catalog numbers are completed by adding the required phase connection letters as a suffix.



LA/LH
2- and 3-pole
6 in (152 mm)
Mounting Height



LI
2- and 3-pole
7.5 in (190 mm)
Mounting Height

LA Mission Critical Circuit Breakers

The LA High Magnetic Withstand MC Circuit Breakers are designed to trip at a higher magnetic trip level (18–20 times handle rating) than typical molded case circuit breakers (MCCBs) (which trip at 5–10 times the handle rating). The high magnetic withstand value of these LA circuit breakers allow the downstream branch circuit breaker to clear the fault.

Table 9.130: L-frame—400 A, Thermal-magnetic (600 Vac)

Ampere Rating	AC Magnetic Trip Settings		Standard Interrupting	High Interrupting	Terminal Wire Range
	Low	High	Catalog Number	Catalog Number	
2-pole, 600 Vac, 250 Vdc [24]					
125 A	625	1250	LA26125()	LH26125()	AL400LA one #1 AWG–600 kcmil or two #1 AWG–250 kcmil AL or Cu
150 A	750	1500	LA26150()	LH26150()	
175 A	875	1750	LA26175()	LH26175()	
200 A	1000	2000	LA26200()	LH26200()	
225 A	1125	2250	LA26225()	LH26225()	
250 A	1250	2500	LA26250()	LH26250()	
300 A	1500	3000	LA26300()	LH26300()	
350 A	1750	3500	LA26350()	LH26350()	
400 A	2000	4000	LA26400()	LH26400()	
3-pole, 600 Vac, 250 Vdc					
125 A	625	1250	LA36125	LH36125	AL400LA one #1 AWG–600 kcmil or two #1 AWG–250 kcmil AL or Cu
150 A	750	1500	LA36150	LH36150	
175 A	875	1750	LA36175	LH36175	
200 A	1000	2000	LA36200	LH36200	
225 A	1125	2250	LA36225	LH36225	
250 A	1250	2500	LA36250	LH36250	
300 A	1500	3000	LA36300	LH36300	
350 A	1750	3500	LA36350	LH36350	
400 A	2000	4000	LA36400	LH36400	

L-frame accessories starting on Supplemental Digest Section 3.

L-frame dimensions [Molded Case Circuit Breaker Dimensions, page 7-80](#).

L-frame optional lugs [Mechanical Lugs, page 7-64](#).

K-frame accessories starting on Supplemental Digest Section 3.

Table 9.131: Interrupt Ratings (kA)

	LA	LH	LC	LI
240 V	42	65	100	200
480 V	30	35	65	200
600 V	22	25	35	100

[24] 2-pole circuit breaker catalog numbers are completed by adding required phase connection letters as suffix to catalog number. See [page 9-39](#).