

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.



FI36100
2- and 3-pole
4.5 in (114 mm)
Mounting Height



QB/QD/QG/QJ
Mounting Height:
2-pole, 3 in (76 mm)
3-pole, 4.5 in (114 mm)

F-frame, PowerPact Q-frame for I-Line™ Panelboards and Switchboards

Table 9.118: F-frame—100 A, Thermal-magnetic (600 Vac)

Ampere Rating	AC Magnetic Trip Settings		Standard Interrupting	High Interrupting	Current Limiting	Terminal Wire Range
	Hold	Trip	Catalog Number	Catalog Number	Catalog Number	
1-pole, 277 Vac, 125 Vdc [1]						
15 A	275	600	—	FH16015()	—	AL50FA #14–#4 AWG Cu or #12–#4 AWG Al
20 A			—	FH16020()	—	
25 A			—	FH16025()	—	
30 A			—	FH16030()	—	
35 A	400	850	—	FH16035()	—	AL100FA #14–#1/0 AWG Cu or #12–#1/0 AWG Al
40 A			—	FH16040()	—	
45 A			—	FH16045()	—	
50 A			—	FH16050()	—	
60 A	800	1450	—	FH16060()	—	
70 A			—	FH16070()	—	
80 A			—	FH16080()	—	
90 A			—	FH16090()	—	
100 A	900	1700	—	FH16100()	—	
2-pole, 600 Vac, 250 Vdc [1]						
15 A	275	600	FA26015()	FH26015()	—	AL50FA #14–#4 AWG Cu or #12–#4 AWG Al
20 A			FA26020()	FH26020()	FI26020()	
25 A			FA26025()	FH26025()	—	
30 A			FA26030()	FH26030()	FI26030()	
35 A	400	850	FA26035()	FH26035()	—	AL100FA #14–#1/0 AWG Cu or #12–#1/0 AWG Al
40 A			FA26040()	FH26040()	FI26040()	
45 A			FA26045()	FH26045()	—	
50 A			FA26050()	FH26050()	FI26050()	
60 A	800	1450	FA26060()	FH26060()	FI26060()	
70 A			FA26070()	FH26070()	FI26070()	
80 A			FA26080()	FH26080()	FI26080()	
90 A			FA26090()	FH26090()	FI26090()	
100 A	900	1700	FA26100()	FH26100()	FI26100()	
3-pole, 600 Vac, 250 Vdc						
15 A	275	600	FA36015	FH36015	—	AL50FA #14–#4 AWG Cu or #12–#4 AWG Al
20 A			FA36020	FH36020	FI36020	
25 A			FA36025	FH36025	—	
30 A			FA36030	FH36030	FI36030	
35 A	400	850	FA36035	FH36035	—	AL100FA #14–#1/0 AWG Cu or #12–#1/0 AWG Al
40 A			FA36040	FH36040	FI36040	
45 A			FA36045	FH36045	—	
50 A			FA36050	FH36050	FI36050	
60 A	800	1450	FA36060	FH36060	FI36060	
70 A			FA36070	FH36070	FI36070	
80 A			FA36080	FH36080	FI36080	
90 A			FA36090	FH36090	FI36090	
100 A	900	1700	FA36100	FH36100	FI36100	

NOTE: As of January 1st, FI breakers will only fit on the wide side of I-Line panelboards.

Table 9.119: PowerPact™ Q-frame— 225 A, Thermal-magnetic (240 Vac)

Ampere Rating	AC Magnetic Trip Settings		"B" Interrupting	"D" Interrupting	"G" Interrupting	"J" Interrupting
	Hold	Trip	Catalog Number	Catalog Number	Catalog Number	Catalog Number
2-pole, 240 Vac [2]						
70 A	1000	1800	QBA22070()	QDA22070()	QGA22070()	QJA22070()
80 A			QBA22080()	QDA22080()	QGA22080()	QJA22080()
90 A			QBA22090()	QDA22090()	QGA22090()	QJA22090()
100 A			QBA22100()	QDA22100()	QGA22100()	QJA22100()
110 A	1200	2400	QBA22110()	QDA22110()	QGA22110()	QJA22110()
125 A			QBA22125()	QDA22125()	QGA22125()	QJA22125()
150 A			QBA22150()	QDA22150()	QGA22150()	QJA22150()
175 A			QBA22175()	QDA22175()	QGA22175()	QJA22175()
200 A			QBA22200()	QDA22200()	QGA22200()	QJA22200()
225 A			QBA22225()	QDA22225()	QGA22225()	QJA22225()
3-pole, 240 Vac [3]						
70 A	1000	1800	QBA32070()	QDA32070()	QGA32070()	QJA32070()
80 A			QBA32080()	QDA32080()	QGA32080()	QJA32080()
90 A			QBA32090()	QDA32090()	QGA32090()	QJA32090()

[1] 1- and 2-pole circuit breaker catalog numbers are completed by adding the required connection letters as a suffix, see F-frame, page 9-39.

[2] 2-pole QB, QD, QG, and QJ circuit breakers are completed by adding the required phasing numbers as indicated in the parentheses, see F-frame, page 9-39

[3] 3-pole QB, QD, QG, and QJ circuit breakers for ABC phasing are complete without additional phasing number. For CBA phasing, complete the catalog number by inserting the number "6" in the parentheses.