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FAL 1P
15–100 A


FAL/FHL 2P
15–100 A


FAL/FHL 3P
15–100 A

F-Frame Molded Case Circuit Breakers

Thermal-magnetic molded case circuit breakers shown here are permanent trip UL Listed, CSA Certified, IEC rated, and also meet the requirements of Federal Specification W–C–375B/GEN as indicated in Digest Section 7.

NOTE: Consider using PowerPact™ circuit breakers for situations requiring circuit breaker accessories. See Digest Section 7 for more information.

Table 3.18: Termination Option

Termination Letter
F = No Lugs
L = Lugs both ends
P with MT Suffix = Lugs ON end
P = Lugs OFF end
F A **L** 3 6 1 0 0 For factory-installed termination, place termination letter in the third block of the circuit breaker catalog number.

Table 3.19: F-Frame—100 A, Thermal-Magnetic, Individually-Mounted, Standard Interrupting, 240 Vac

Ampere Rating	Fixed AC Magnetic Trip		Cat. No.			Terminal Wire Range (AWG)
	Hold	Trip	1 P 120 Vac	2 P 240 Vac	3 P 240 Vac	
15 A	275 A	600 A	FAL12015	FAL22015	FAL32015	AL50FA 14–4 Cu or 12–4 Al
20 A	275 A	600 A	FAL12020	FAL22020	FAL32020	
25 A	275 A	600 A	FAL12025	FAL22025	FAL32025	
30 A	275 A	600 A	FAL12030	FAL22030	FAL32030	
35 A	400 A	850 A	FAL12035	FAL22035	FAL32035	AL100FA 14–1/0 Cu or 12–1/0 Al
40 A	400 A	850 A	FAL12040	FAL22040	FAL32040	
45 A	400 A	850 A	FAL12045	FAL22045	FAL32045	
50 A	400 A	850 A	FAL12050	FAL22050	FAL32050	
60 A	800 A	1450 A	FAL12060	FAL22060	FAL32060	
70 A	800 A	1450 A	FAL12070	FAL22070	FAL32070	
80 A	800 A	1450 A	FAL12080	FAL22080	FAL32080	
90 A	900 A	1700 A	FAL12090	FAL22090	FAL32090	
100 A	900 A	1700 A	FAL12100	FAL22100	FAL32100	

Table 3.20: F-Frame—100 A, Thermal-Magnetic, Individually-Mounted, 480 Vac

Ampere Rating	Fixed AC Magnetic Trip		Standard Interrupting Cat. No.			Terminal
	Hold	Trip	1P 277 Vac, 125 Vdc	2P 480 Vac, 250 Vdc	3P 480 Vac, 250 Vdc	
15 A	275 A	600 A	FAL14015	FAL24015	FAL34015	AL50FA (1) 14–4 Cu or (1) 12–4 Al
20 A	275 A	600 A	FAL14020	FAL24020	FAL34020	
25 A	275 A	600 A	FAL14025	FAL24025	FAL34025	
30 A	275 A	600 A	FAL14030	FAL24030	FAL34030	
35 A	400 A	850 A	FAL14035	FAL24035	FAL34035	AL100FA (1) 14–1/0 Cu or (1) 12–1/0 Al
40 A	400 A	850 A	FAL14040	FAL24040	FAL34040	
45 A	400 A	850 A	FAL14045	FAL24045	FAL34045	
50 A	400 A	850 A	FAL14050	FAL24050	FAL34050	
60 A	800 A	1450 A	FAL14060	FAL24060	FAL34060	
70 A	800 A	1450 A	FAL14070	FAL24070	FAL34070	
80 A	800 A	1450 A	FAL14080	FAL24080	FAL34080	
90 A	900 A	1700 A	FAL14090	FAL24090	FAL34090	
100 A	900 A	1700 A	FAL14100	FAL24100	FAL34100	

Table 3.21: F-Frame—100 A, Thermal-Magnetic, Individually-Mounted, 600 Vac

Ampere Rating	Fixed AC Magnetic Trip		Cat. No.							Terminal Wire Range (AWG)
			Standard Interrupting		High Interrupting			Current Limiting		
	Hold	Trip	2P 600 Vac, 250 Vdc	3P 600 Vac, 250 Vdc	1P 277 Vac, 125 Vdc	2P 600 Vac, 250 Vdc	3P 600 Vac, 250 Vdc	2P 600 Vac, 250 Vdc	3P 600 Vac, 250 Vdc	
15 A	275 A	600 A	FAL26015	FAL36015	FHL16015	FHL26015	FHL36015	—	—	AL50FA 14–4 Cu or 12–4 Al
20 A	275 A	600 A	FAL26020	FAL36020	FHL16020	FHL26020	FHL36020	FIL26020	FIL36020	
25 A	275 A	600 A	FAL26025	FAL36025	FHL16025	FHL26025	FHL36025	FIL26025	FIL36025	
30 A	275 A	600 A	FAL26030	FAL36030	FHL16030	FHL26030	FHL36030	FIL26030	FIL36030	
35 A	400 A	850 A	FAL26035	FAL36035	FHL16035	FHL26035	FHL36035	FIL26035	FIL36035	AL100FA 14–1/0 Cu or 12–1/0 Al
40 A	400 A	850 A	FAL26040	FAL36040	FHL16040	FHL26040	FHL36040	FIL26040	FIL36040	
45 A	400 A	850 A	FAL26045	FAL36045	FHL16045	FHL26045	FHL36045	FIL26045	FIL36045	
50 A	400 A	850 A	FAL26050	FAL36050	FHL16050	FHL26050	FHL36050	FIL26050	FIL36050	
60 A	800 A	1450 A	FAL26060	FAL36060	FHL16060	FHL26060	FHL36060	FIL26060	FIL36060	
70 A	800 A	1450 A	FAL26070	FAL36070	FHL16070	FHL26070	FHL36070	FIL26070	FIL36070	
80 A	800 A	1450 A	FAL26080	FAL36080	FHL16080	FHL26080	FHL36080	FIL26080	FIL36080	
90 A	900 A	1700 A	FAL26090	FAL36090	FHL16090	FHL26090	FHL36090	FIL26090	FIL36090	
100 A	900 A	1700 A	FAL26100	FAL36100	FHL16100	FHL26100	FHL36100	FIL26100	FIL36100	

Accessories see page 3-19 through page 3-26
Optional Lugs see page 3-25
Dimensions see page 3-28
Enclosures see Digest Section 7

Table 3.22: Interrupting Ratings

Voltage	FAL			FHL	FCL *[1]*	FIL
	240 Vac	480 Vac	600 Vac			
240 Vac	10 kA	18 kA (1P), 25 kA (2P, 3P)	25 kA	25 kA (1P), 65 kA (2P, 3P)	100 kA	200 kA
480 Vac	—	18 kA	18 kA	25 kA (2P, 3P)	65 kA	200 kA
600 Vac	—	—	14 kA	18 kA (2P, 3P)	—	100 kA

[1] See Section 11.

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