

Thermal-magnetic molded case circuit breakers shown on pages 7-48 through 7-50 are permanent trip UL Listed, CSA Certified, IEC rated, and also meet the requirements

of Federal Specification W-C-375B/GEN as indicated on pages 7-4 through 7-7. For I-Line<sup>®</sup> molded case circuit breakers, see listings on pages 9-23 through 9-30.



FAL 1P 15-100 A



FAL/FHL 2P 15-100 A



FAL/FHL 3P 15-100 A

**Table 7.112: F-frame—100 A, Thermal-magnetic, 240 Vac, Standard Interrupting**

Ampere Rating	Fixed AC Magnetic Trip		1 P		2 P		3 P		Terminal Wire Range (AWG)
			120 Vac		240 Vac		240 Vac		
			Hold	Trip	Cat. No.	\$ Price	Cat. No.	\$ Price	
15 A	275 A	600 A	FAL12015	132.00	FAL22015	222.00	FAL32015	330.00	AL50FA 14-4 Cu or 12-4 Al
20 A	275 A	600 A	FAL12020	132.00	FAL22020	222.00	FAL32020	330.00	
25 A	275 A	600 A	FAL12025	132.00	FAL22025	222.00	FAL32025	330.00	
30 A	275 A	600 A	FAL12030	132.00	FAL22030	222.00	FAL32030	330.00	
35 A	400 A	850 A	FAL12035	132.00	FAL22035	222.00	FAL32035	330.00	AL100FA 14-1/0 Cu or 12-1/0 Al
40 A	400 A	850 A	FAL12040	132.00	FAL22040	222.00	FAL32040	330.00	
45 A	400 A	850 A	FAL12045	132.00	FAL22045	222.00	FAL32045	330.00	
50 A	400 A	850 A	FAL12050	132.00	FAL22050	222.00	FAL32050	330.00	
60 A	800 A	1450 A	FAL12060	132.00	FAL22060	222.00	FAL32060	330.00	
70 A	800 A	1450 A	FAL12070	174.00	FAL22070	362.00	FAL32070	469.00	
80 A	800 A	1450 A	FAL12080	174.00	FAL22080	362.00	FAL32080	469.00	
90 A	900 A	1700 A	FAL12090	174.00	FAL22090	362.00	FAL32090	469.00	
100 A	900 A	1700 A	FAL12100	174.00	FAL22100	362.00	FAL32100	469.00	

**Table 7.113: F-frame—100 A, Thermal-magnetic, 480 Vac, Standard Interrupting**

Ampere Rating	Fixed AC Magnetic Trip		1P		2P		3P		Terminal Wire Range (AWG)
			277 Vac, 125 Vdc		480 Vac, 250 Vdc		480 Vac, 250 Vdc		
			Hold	Trip	Cat. No.	\$ Price	Cat. No.	\$ Price	
15 A	275 A	600 A	FAL14015	167.00	FAL24015	406.00	FAL34015	521.00	AL50FA 14-4 Cu or 12-4 Al
20 A	275 A	600 A	FAL14020	167.00	FAL24020	406.00	FAL34020	521.00	
25 A	275 A	600 A	FAL14025	167.00	FAL24025	406.00	FAL34025	521.00	
30 A	275 A	600 A	FAL14030	167.00	FAL24030	406.00	FAL34030	521.00	
35 A	400 A	850 A	FAL14035	167.00	FAL24035	406.00	FAL34035	521.00	AL100FA 14-1/0 Cu or 12-1/0 Al
40 A	400 A	850 A	FAL14040	167.00	FAL24040	406.00	FAL34040	521.00	
45 A	400 A	850 A	FAL14045	167.00	FAL24045	406.00	FAL34045	521.00	
50 A	400 A	850 A	FAL14050	167.00	FAL24050	406.00	FAL34050	521.00	
60 A	800 A	1450 A	FAL14060	167.00	FAL24060	406.00	FAL34060	521.00	
70 A	800 A	1450 A	FAL14070	208.00	FAL24070	525.00	FAL34070	616.00	
80 A	800 A	1450 A	FAL14080	208.00	FAL24080	525.00	FAL34080	616.00	
90 A	900 A	1700 A	FAL14090	208.00	FAL24090	525.00	FAL34090	616.00	
100 A	900 A	1700 A	FAL14100	208.00	FAL24100	525.00	FAL34100	616.00	

**Table 7.114: F-frame—100 A, Thermal-magnetic, 600 Vac**

Ampere Rating	Fixed AC Magnetic Trip		1P		2P				3 P				Terminal Wire Range (AWG)				
			High Interrupting 277 Vac, 125 Vdc		Standard Interrupting 600 Vac, 250 Vdc		High Interrupting 600 Vac, 250 Vdc		Current Limiting 600 Vac, 250 Vdc		Standard Interrupting 600 Vac, 250 Vdc			Current Limiting 600 Vac, 250 Vdc			
			Hold	Trip	Cat. No.	\$ Price	Cat. No.	\$ Price	Cat. No.	\$ Price	Cat. No.	\$ Price		Cat. No.	\$ Price	Cat. No.	\$ Price
15 A	275 A	600 A	FHL16015	301.00	FAL26015	469.00	FHL26015	775.00	—	—	FAL36015	604.00	FHL36015	905.00	—	—	AL50FA 14-4 Cu or 12-4 Al
20 A	275 A	600 A	FHL16020	301.00	FAL26020	469.00	FHL26020	775.00	FIL26020	1755.00	FAL36020	604.00	FHL36020	905.00	FIL36020	2197.00	
25 A	275 A	600 A	FHL16025	301.00	FAL26025	469.00	FHL26025	775.00	FIL26025	1755.00	FAL36025	604.00	FHL36025	905.00	FIL36025	2197.00	
30 A	275 A	600 A	FHL16030	301.00	FAL26030	469.00	FHL26030	775.00	FIL26030	1755.00	FAL36030	604.00	FHL36030	905.00	FIL36030	2197.00	
35 A	400 A	850 A	FHL16035	301.00	FAL26035	469.00	FHL26035	775.00	FIL26035	1755.00	FAL36035	604.00	FHL36035	905.00	FIL36035	2197.00	AL100FA 14-1/0 Cu or 12-1/0 Al
40 A	400 A	850 A	FHL16040	301.00	FAL26040	469.00	FHL26040	775.00	FIL26040	1755.00	FAL36040	604.00	FHL36040	905.00	FIL36040	2197.00	
45 A	400 A	850 A	FHL16045	301.00	FAL26045	469.00	FHL26045	775.00	FIL26045	1755.00	FAL36045	604.00	FHL36045	905.00	FIL36045	2197.00	
50 A	400 A	850 A	FHL16050	301.00	FAL26050	469.00	FHL26050	775.00	FIL26050	1755.00	FAL36050	604.00	FHL36050	905.00	FIL36050	2197.00	
60 A	800 A	1450 A	FHL16060	301.00	FAL26060	469.00	FHL26060	775.00	FIL26060	1755.00	FAL36060	604.00	FHL36060	905.00	FIL36060	2197.00	
70 A	800 A	1450 A	FHL16070	339.00	FAL26070	593.00	FHL26070	902.00	FIL26070	1755.00	FAL36070	743.00	FHL36070	1027.00	FIL36070	2197.00	
80 A	800 A	1450 A	FHL16080	339.00	FAL26080	593.00	FHL26080	902.00	FIL26080	1755.00	FAL36080	743.00	FHL36080	1027.00	FIL36080	2197.00	
90 A	900 A	1700 A	FHL16090	339.00	FAL26090	593.00	FHL26090	902.00	FIL26090	1755.00	FAL36090	743.00	FHL36090	1027.00	FIL36090	2197.00	
100 A	900 A	1700 A	FHL16100	339.00	FAL26100	593.00	FHL26100	902.00	FIL26100	1755.00	FAL36100	743.00	FHL36100	1027.00	FIL36100	2197.00	

**Table 7.115: Mechanical Lug Kit Information**

Circuit Breaker Application				(Number of Wires Per Lug) Wire Range	Cat. No.	Lugs Per Kit	\$ Price Per Kit
Standard	Ampere Rating	Optional	Ampere Rating				
FA, FH, FI	15-30 A	FA, FH, FI	35-100 A	(1) 14-4 AWG Cu or (1) 12-4 AWG Al	AL50FA	3	24.80
FA, FH, FI	35-100 A	FA, FH, FI	15-30 A	(1) 14-1/0 AWG Cu or (1) 12-1/0 AWG Al	AL100FA	3	24.80
—	—	FA, FH	15-100 A	(1) 12-3 AWG Cu	AL100TF▲	3	24.80
—	—	FA	150 A (only)	(1) 2-3/0 AWG Cu or Al	AL150FA	3	24.80
—	—	FA, FH, FI	15-100	(1) 14-1 AWG Cu	CU100FA	3	24.80
—	—	FA, FH	15-100	(1) 12-3 AWG Cu	CU100TF▲	3	24.80

▲ For use in the OFF end only, when the OFF end is the load end.

**F-frame Interrupting Ratings**

	FAL			FHL	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)	200 kA
480 Vac	—	18 kA	18 kA	25 kA(2P, 3P)	200 kA
600 Vac	—	—	14 kA	18 kA(2P, 3P)	100 kA

**Termination Option**

**Termination Letter**  
 F = No Lugs  
 L = Lugs both ends  
 P with MT Suffix = Lugs ON end  
 P = Lugs OFF end

For factory-installed termination, place termination letter in the third block of the circuit breaker catalog number.

**F<sub>1</sub>A<sub>1</sub>L<sub>3</sub>6<sub>1</sub>0<sub>1</sub>0<sub>1</sub>**  
 Termination Letter

**NOTE:** Consider using PowerPact<sup>®</sup> circuit breakers for situations requiring circuit breaker accessories.

Accessories ..... Supplemental Digest  
 Compression and Power Distribution Connector Lugs. Supplemental Digest  
 Dimensions ..... Page 7-53  
 Enclosures ..... Page 7-55