

March 2006
Aftermarket Solutions, Ref. No. [025]

Types FB and HFB

Replacement Capabilities
(Continued)



FB, HFB: 600 Vac; 250 Vdc

Table 3-15. Type FB, HFB 1-, 2-, 3-, 4-Poles; 600 Vac Max.; Thermal Magnetic MARK 75® Saf-T-Vue
Shaded gray area denotes obsolete or discontinued products and services. ①

Continu- ous Ampere Rating at 40°C	1-Pole 277 Vac 125 Vdc ②		2-Pole 600 Vac 250 Vdc ②		3-Pole 600 Vac			4-Pole ③④ 600 Vac
	MARK 75 ⑤		Standard	MARK 75 ⑤	Standard	Saf-T-Vue ⑥	MARK 75 ⑦	Standard
	Catalog Number							
15	HFB1015 ⑧	FB2015	HFB2015	FB3015	FB3015S	HFB3015L	FB4015	
20	HFB1020 ⑧	FB2020	HFB2020	FB3020	FB3020S	HFB3020L	FB4020	
25	HFB1025	FB2025	HFB2025	FB3025	FB3025S	HFB3025L	FB4025	
30	HFB1030	FB2030	HFB2030	FB3030	FB3030S	HFB3030L	FB4030	
35	HFB1035	FB2035	HFB2035	FB3035	FB3035S	HFB3035L	FB4035	
40	HFB1040	FB2040	HFB2040	FB3040	FB3040S	HFB3040L	FB4040	
45	HFB1045	FB2045	HFB2045	FB3045	FB3045S	HFB3045L	FB4045	
50	HFB1050	FB2050	HFB2050	FB3050	FB3050S	HFB3050L	FB4050	
60	HFB1060	FB2060	HFB2060	FB3060	FB3060S	HFB3060L	FB4060	
70	HFB1070	FB2070	HFB2070	FB3070	FB3070S	HFB3070L	FB4070	
80	HFB1080	FB2080	HFB2080	FB3080	FB3080S	HFB3080L	FB4080	
90	HFB1090	FB2090	HFB2090	FB3090	FB3090S	HFB3090L	FB4090	
100	HFB1100	FB2100	HFB2100	FB3100	FB3100S	HFB3100L	FB4100	
110	—	—	—	FB3110	FB3110S	HFB3110	—	
125	—	—	—	FB3125	FB3125S	HFB3125	—	
150	—	—	—	FB3150	FB3150S	HFB3150	—	

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- ① These frames are obsolete. For replacement solutions see the cross-reference on Pages 3-97 – 3-118.
- ② dc ratings apply to substantially non-inductive circuits.
- ③ Not UL listed
- ④ All four poles have thermal magnetic trip elements. Can be supplied with three protected poles and one unprotected, non-automatic pole if required. Order by description with no price or dimensional differences.
- ⑤ 15 – 30 A rated 75,000 AIC.
40 – 100 A rated 30,000 A asymmetrical,
25,000 A symmetrical.
- ⑥ 2-pole breakers are supplied in 3-pole frames with current carrying parts omitted from center pole.
- ⑦ Includes line and load terminals. MARK 75 frame color changed from gray to black in mid-2002.
- ⑧ Switching duty rated for 277 Vac fluorescent light applications only.

Table 3-16. UL Listed Interrupting Ratings ①

Maximum Volts	Amperes
MARK 75 Type HFB	
240 ac	75,000 Asymmetrical, 65,000 Symmetrical
277 ac ②	75,000 Asymmetrical, 65,000 Symmetrical
480 ac	30,000 Asymmetrical, 25,000 Symmetrical
600 ac	20,000 Asymmetrical, 18,000 Symmetrical
250 dc (2-Pole)	20,000 ③④

- ① Interrupting capacities shown do not apply to molded case switches.
- ② 15 – 30 A rated 75,000 AIC.
40 – 100 A rated 30,000 A asymmetrical,
25,000 A symmetrical.
- ③ dc ratings apply to substantially non-inductive circuits.
- ④ Ratings above 10,000 amperes not UL listed.

Table 3-17. Special Breakers Type FB, Magnetic Only, Front Adjustable

Shaded gray area denotes obsolete or discontinued products and services. ①

Continuous Ampere Rating	Magnetic Trip Range Amperes	2-Pole, 600 Vac		3-Pole, 600 Vac		
		Standard	MARK 75	Standard	Saf-T-Vue	MARK 75 ②
		Catalog/Style Number				
3	7 – 22	FB2022MRL	HFB2022ML	FB3022MRL	FB3022SMRL	HFB3022ML
5	15 – 45	FB2045MRL	HFB2045ML	FB3045MRL	FB3045SMRL	HFB3045ML
10	35 – 110	FB2110MRL	HFB2110ML	FB3110MRL	FB3110SMRL	HFB3110ML
25	32 – 80	2610D53G12	4994D96G12	2610D53G30	4998D89G30	2610D57G30
25	66 – 190	FB2190MRL	HFB2190ML	FB3190MRL	FB3190SMRL	HFB3190ML
30	50 – 150	1268C14G05	—	1268C14G06	—	—
30	90 – 270	FB2270MRL	HFB2270ML	FB3270MRL	FB3270SMRL	HFB3270ML
50	66 – 190	1268C14G01	—	1268C14G02	—	—
50	160 – 480	FB2480MRL	HFB2480ML	FB3480MRL	FB3480SMRL	HFB3480ML
70	100 – 270	2610D53G13	4994D96G13	2610D53G31	2610D58G31	4994D96G31
100	150 – 480	1268C14G03	—	1268C14G04	81E4647	65E4667
100	450 – 1550	FB21550MRL	HFB21550ML	FB31550MRL	FB31550SMRL	HFB31550ML

- ① These frames are obsolete. For replacement solutions see the cross-reference on Pages 3-97 – 3-118.
- ② Includes line and load terminals. MARK 75 frame color changed from gray to black in mid-2002.