

March 2006
Aftermarket Solutions, Ref. No. [033]

Types LB and HLB

Replacement Capabilities (Continued)

Table 3-43. Type LB and MARK 75 Type HLB 70 – 400 Amperes, 600 Vac, 250 Vdc, 2- and 3-Poles, Interchangeable Trip Thermal Magnetic, Saf-T-Vue and MARK 75

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

Contin- uous Ampere Rating at 40°C	Magnetic Trip Setting Amperes ②		Complete Breaker			Shipped as Frame, Trip Unit and Terminals ③			
	Low	High	Includes Pressure Type Aluminum Terminals ③			Frame Only			Trip Unit Only
			Standard	Saf-T-Vue	MARK 75	Standard	Saf-T-Vue	MARK 75	
Catalog Number									
2-Poles, 600 Volts ac, 250 Volts dc ④									
70	350	700	LB2070	LB2070S	—	LB2400F	LB2400FS	HLB2400F	HLB2070T
90	450	900	LB2090	LB2090S	—	LB2400F	LB2400FS	HLB2400F	HLB2090T
100	500	1000	LB2100	LB2100S	—	LB2400F	LB2400FS	HLB2400F	HLB2100T
125	625	1250	LB2125	LB2125S	HLB2125	LB2400F	LB2400FS	HLB2400F	HLB2125T
150	750	1500	LB2150	LB2150S	HLB2150	LB2400F	LB2400FS	HLB2400F	HLB2150T
175	875	1750	LB2175	LB2175S	HLB2175	LB2400F	LB2400FS	HLB2400F	HLB2175T
200	1000	2000	LB2200	LB2200S	HLB2200	LB2400F	LB2400FS	HLB2400F	HLB2200T
225	1125	2250	LB2225	LB2225S	HLB2225	LB2400F	LB2400FS	HLB2400F	HLB2225T
250	1250	2500	LB2250	LB2250S	HLB2250	LB2400F	LB2400FS	HLB2400F	HLB2250T
300	1500	3000	LB2300	LB2300S	HLB2300	LB2400F	LB2400FS	HLB2400F	HLB2300T
350	1750	3500	LB2350	LB2350S	HLB2350	LB2400F	LB2400FS	HLB2400F	HLB2350T
400	2000	4000	LB2400	LB2400S	HLB2400	LB2400F	LB2400FS	HLB2400F	HLB2400T
			Approx. ship. wt. 13 lbs.			Approx. ship. wt. 10 lbs.			Approx. ship. wt. 2 lbs.
3-Poles, 600 Volts ac Only									
70	350	700	LB3070	LB3070S	—	LB3400F	LB3400FS	HLB3400F	HLB3070T
90	450	900	LB3090	LB3090S	—	LB3400F	LB3400FS	HLB3400F	HLB3090T
100	500	1000	LB3100	LB3100S	—	LB3400F	LB3400FS	HLB3400F	HLB3100T
125	625	1250	LB3125	LB3125S	HLB3125	LB3400F	LB3400FS	HLB3400F	HLB3125T
150	750	1500	LB3150	LB3150S	HLB3150	LB3400F	LB3400FS	HLB3400F	HLB3150T
175	875	1750	LB3175	LB3175S	HLB3175	LB3400F	LB3400FS	HLB3400F	HLB3175T
200	1000	2000	LB3200	LB3200S	HLB3200	LB3400F	LB3400FS	HLB3400F	HLB3200T
225	1125	2250	LB3225	LB3225S	HLB3225	LB3400F	LB3400FS	HLB3400F	HLB3225T
250	1250	2500	LB3250	LB3250S	HLB3250	LB3400F	LB3400FS	HLB3400F	HLB3250T
300	1500	3000	LB3300	LB3300S	HLB3300	LB3400F	LB3400FS	HLB3400F	HLB3300T
350	1750	3500	LB3350	LB3350S	HLB3350	LB3400F	LB3400FS	HLB3400F	HLB3350T
400	2000	4000	LB3400	LB3400S	HLB3400	LB3400F	LB3400FS	HLB3400F	HLB3400T
			Approx. ship. wt. 15 lbs.			Approx. ship. wt. 12 lbs.			Approx. ship. wt. 2-½ lbs.

- ① These frames are obsolete. For replacement solutions see the cross-reference on Pages 3-97 – 3-118.
- ② Set on high side, adjustable to lower limits.
- ③ Terminals are shipped separately from breaker.
- ④ 2-pole breakers or trips are supplied in 3-pole frames with current carrying parts omitted from center pole.

Table 3-44. Special Breakers — Trip Units Only ①

Shaded gray area denotes obsolete or discontinued products and services. ②

Continuous Ampere Rating	Magnetic Trip Setting, Amperes ②		Trip Unit Only	
	Low	High	2-Poles ③	3-Poles
			Catalog Number	
Magnetic Only Breakers, Front Adjustable				
400	350	700	HLB2700TM	HLB3700TM
400	625	1250	HLB21250TM	HLB31250TM
400	750	1500	HLB21500TM	HLB31500TM
400	875	1750	HLB21750TM	HLB31750TM
400	1125	2250	HLB22250TM	HLB32250TM
400	1500	3000	HLB23000TM	HLB33000TM
400	2000	4000	HLB24000TM	HLB34000TM
Ambient Compensating Breakers				
70	350	700	HLB2070TA	HLB3070TA
90	450	900	HLB2090TA	HLB3090TA
100	500	1000	HLB2100TA	HLB3100TA
125	625	1250	HLB2125TA	HLB3125TA
150	750	1500	HLB2150TA	HLB3150TA
175	875	1750	HLB2175TA	HLB3175TA
200	1000	2000	HLB2200TA	HLB3200TA
225	1125	2250	HLB2225TA	HLB3225TA
250	1250	2500	HLB2250TA	HLB3250TA
300	1500	3000	HLB2300TA	HLB3300TA
350	1750	3500	HLB2350TA	HLB3350TA
400	2000	4000	HLB2400TA	HLB3400TA

- ① Not UL listed.
- ② These frames are obsolete. For replacement solutions see the cross-reference on Pages 3-97 – 3-118.
- ③ Set on high side, adjustable to lower limits.
- ④ 2-pole breakers or trips are supplied in 3-pole frames with current carrying parts omitted from center pole.



LB: 600 Vac; 250 Vdc

Accessories and Modifications

Shaded gray area denotes obsolete or discontinued products and services.

Special Calibrations

Special calibration price additions apply to ampere ratings not listed as standard or for ambients other than 40°C or 50°C. For frequencies other than 0 – 60 Hz ac circuits, refer to Eaton. See Application Data 29-160 for information regarding special conditions. Maximum calibration for 400 Hz is 300 amperes.

Note: Not UL listed.

50°C Calibration

Add suffix “V” to catalog number for complete breaker or trip unit only, when ordering breakers to be used in 50°C ambients.

Note: Not UL listed.

Magnetic Only Breakers

For description, refer to Application Data 29-160. To order, select trip unit from table at left, frame and terminals.

Note: Not UL listed.