

March 2006
Aftermarket Solutions, Ref. No. [037]

Types LA and HLA

Replacement Capabilities (Continued)

Table 3-53. Type LA and MARK 75 Type HLA 70 – 400 Amperes, 600 Vac, 250 Vdc, 2- and 3-Poles, Interchangeable Trip

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

Continu- ous Ampere Rating at 40°C	Magnetic Trip Setting Amperes ②		Complete Breaker Includes Pressure Type Aluminum Terminals ③			Shipped as Frame, Trip Unit and Terminals			
	Low	High	Standard	Saf-T-Vue	MARK 75	Frame Only			Trip Unit Only
						Standard	Saf-T-Vue	MARK 75	Standard, MARK 75, Saf-T-Vue

400 Ampere Frame Breakers ④ — 2-Poles, 600 Vac, 250 Vdc ⑤

70 ⑥	350	700	LA2070	LA2070S	HLA2070	LA2400F	LA2400FS	HLA2400F	HLA2070T
90 ⑥	450	900	LA2090	LA2090S	HLA2090	LA2400F	LA2400FS	HLA2400F	HLA2090T
100 ⑥	500	1000	LA2100	LA2100S	HLA2100	LA2400F	LA2400FS	HLA2400F	HLA2100T
125	625	1250	LA2125	LA2125S	HLA2125	LA2400F	LA2400FS	HLA2400F	HLA2125T
150	750	1500	LA2150	LA2150S	HLA2150	LA2400F	LA2400FS	HLA2400F	HLA2150T
175	875	1750	LA2175	LA2175S	HLA2175	LA2400F	LA2400FS	HLA2400F	HLA2175T
200	1000	2000	LA2200	LA2200S	HLA2200	LA2400F	LA2400FS	HLA2400F	HLA2200T
225	1125	2250	LA2225	LA2225S	HLA2225	LA2400F	LA2400FS	HLA2400F	HLA2225T
250	1250	2500	LA2250	LA2250S	HLA2250	LA2400F	LA2400FS	HLA2400F	HLA2250T
300	1500	3000	LA2300	LA2300S	HLA2300	LA2400F	LA2400FS	HLA2400F	HLA2300T
350	1750	3500	LA2350	LA2350S	HLA2350	LA2400F	LA2400FS	HLA2400F	HLA2350T
400	2000	4000	LA2400	LA2400S	HLA2400	LA2400F	LA2400FS	HLA2400F	HLA2400T
Approx. ship. wt. 21-3/4 lbs.						Approx. ship. wt. 17-1/2 lbs.			Approx. ship. wt. 2-1/4 lbs.

3-Poles, 600 Vac Only

70 ⑥	350	700	LA3070	LA3070S	HLA3070	LA3400F	LA3400FS	HLA3400F	HLA3070T
90 ⑥	450	900	LA3090	LA3090S	HLA3090	LA3400F	LA3400FS	HLA3400F	HLA3090T
100 ⑥	500	1000	LA3100	LA3100S	HLA3100	LA3400F	LA3400FS	HLA3400F	HLA3100T
125	625	1250	LA3125	LA3125S	HLA3125	LA3400F	LA3400FS	HLA3400F	HLA3125T
150	750	1500	LA3150	LA3150S	HLA3150	LA3400F	LA3400FS	HLA3400F	HLA3150T
175	875	1750	LA3175	LA3175S	HLA3175	LA3400F	LA3400FS	HLA3400F	HLA3175T
200	1000	2000	LA3200	LA3200S	HLA3200	LA3400F	LA3400FS	HLA3400F	HLA3200T
225	1125	2250	LA3225	LA3225S	HLA3225	LA3400F	LA3400FS	HLA3400F	HLA3225T
250	1250	2500	LA3250	LA3250S	HLA3250	LA3400F	LA3400FS	HLA3400F	HLA3250T
300	1500	3000	LA3300	LA3300S	HLA3300	LA3400F	LA3400FS	HLA3400F	HLA3300T
350	1750	3500	LA3350	LA3350S	HLA3350	LA3400F	LA3400FS	HLA3400F	HLA3350T
400	2000	4000	LA3400	LA3400S	HLA3400	LA3400F	LA3400FS	HLA3400F	HLA3400T
Approx. ship. wt. 24-1/2 lbs.						Approx. ship. wt. 19 lbs.			Approx. ship. wt. 3 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 shipped separately from breaker.
- ④ Terminals, trip units and accessories are not interchangeable between 400 and 600 ampere frames.
- ⑤ 2-pole breakers or trips are supplied in 3-pole frames with current carrying parts omitted from center pole.
- ⑥ These ratings have interrupting capacities reduced to 25,000 amperes symmetrical at 240 volts, 20,000 amperes symmetrical at 480 volts, and 15,000 amperes symmetrical at 600 volts.

Table 3-54. Special Breakers ⑦ Trip Units Only

Shaded gray area denotes obsolete or discontinued products and services. ⑧

Continuous Ampere Rating	Magnetic Trip Setting, Amperes ⑨		2-Poles ⑩	3-Poles
	Low	High	Catalog Number	

Magnetic Only Breakers, Front Adjustable — 400 Ampere Frame Breakers ⑪

400	350	700	HLA2700TM	HLA3700TM
400	625	1250	HLA21250TM	HLA31250TM
400	750	1500	HLA21500TM	HLA31500TM
400	875	1750	HLA21750TM	HLA31750TM
400	1125	2250	HLA22250TM	HLA32250TM
400	1500	3000	HLA23000TM	HLA33000TM
400	2000	4000	HLA24000TM	HLA34000TM

Ambient Compensating Breakers — 400 Ampere Frame Breakers Only ⑫

70 ⑬	350	700	HLA2070TA	HLA3070TA
90 ⑬	450	900	HLA2090TA	HLA3090TA
100 ⑬	500	1000	HLA2100TA	HLA3100TA
125	625	1250	HLA2125TA	HLA3125TA
150	750	1500	HLA2150TA	HLA3150TA
175	875	1750	HLA2175TA	HLA3175TA
200	1000	2000	HLA2200TA	HLA3200TA
225	1125	2250	HLA2225TA	HLA3225TA
250	1250	2500	HLA2250TA	HLA3250TA
300	1500	3000	HLA2300TA	HLA3300TA
350	1750	3500	HLA2350TA	HLA3350TA
400	2000	4000	HLA2400TA	HLA3400TA

- ⑦ Not UL listed.
- ⑧ These frames are obsolete. For replacement solutions see the cross-reference on Pages 3-97 – 3-118.
- ⑨ Set on high side, adjustable to lower limits.
- ⑩ 2-pole breakers or trips are supplied in 3-pole frames with current carrying parts omitted from center pole.
- ⑪ Terminals, trip units and accessories are not interchangeable between 400 and 600 ampere frames.
- ⑫ These ratings have interrupting capacities reduced to 25,000 amperes symmetrical at 240 volts, 20,000 amperes symmetrical at 480 volts, and 15,000 amperes symmetrical at 600 volts.



LA: 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 refer to Eaton. See Application Data 29-160 for information regarding special conditions. Maximum 400 Hz calibration: 400 ampere frame, 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.

Terminals

Two terminals required per pole.

Select from Table 3-56 on Page 3-28.

Note: Terminals shipped separately from breaker.

Magnetic Only Breakers

To order, select trip unit from Table 3-54 on Page 3-27, frame and terminals from table at left.

Note: Not UL listed.

Note: MARK 75 frame color changed from gray to black in mid-2002.