

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.