

March 2006  
Aftermarket Solutions, Ref. No. [029]

Types KB and HKB

Replacement Capabilities (Continued)

Table 3-28. Type KB and MARK 75 Type HKB 90 – 250 Amperes, 600 Vac, 250 Vdc, 2- and 3-Poles, Interchangeable Trip Thermal Magnetic, Saf-T-Vue

Shaded gray area denotes obsolete or discontinued products and services. ⑥

Contin- uous Ampere Rating at 40°C	Magnetic Trip Setting Amperes ③		Complete Breaker			Shipped as Frame, Trip Unit and Terminals ②			
			Includes Pressure Type Aluminum Terminals ③			Frame Only			Trip Unit Only
	Low	High	Standard	Saf-T-Vue ③	MARK 75	Standard	Saf-T-Vue ④	MARK 75	Standard Saf-T-Vue, MARK 75
		Catalog Number							
<b>2-Poles, 600 Vac, 250 Vdc ⑤</b>									
70	350	700	KB2070	KB2070S	HKB2070	KB2250F	KB2250FS	HKB2250F	HKB2070T
90	450	900	KB2090	KB2090S	HKB2090	KB2250F	KB2250FS	HKB2250F	HKB2090T
100	500	1000	KB2100	KB2100S	HKB2100	KB2250F	KB2250FS	HKB2250F	HKB2100T
125	625	1250	KB2125	KB2125S	HKB2125	KB2250F	KB2250FS	HKB2250F	HKB2125T
150	750	1500	KB2150	KB2150S	HKB2150	KB2250F	KB2250FS	HKB2250F	HKB2150T
175	875	1750	KB2175	KB2175S	HKB2175	KB2250F	KB2250FS	HKB2250F	HKB2175T
200	1000	2000	KB2200	KB2200S	HKB2200	KB2250F	KB2250FS	HKB2250F	HKB2200T
225	1125	2250	KB2225	KB2225S	HKB2225	KB2250F	KB2250FS	HKB2250F	HKB2225T
250	1250	2500	KB2250	KB2250S	HKB2250	KB2250F	KB2250FS	HKB2250F	HKB2250T
					Approx. ship. wt. 12 lbs.		Approx. ship. wt. 9 lbs.		Approx. ship. wt. 2 lbs.
<b>3-Poles, 600 Vac Only</b>									
70	350	700	KB3070	KB3070S	HKB3070	KB3250F	KB3250FS	HKB3250F	HKB3070T
90	450	900	KB3090	KB3090S	HKB3090	KB3250F	KB3250FS	HKB3250F	HKB3090T
100	500	1000	KB3100	KB3100S	HKB3100	KB3250F	KB3250FS	HKB3250F	HKB3100T
125	625	1250	KB3125	KB3125S	HKB3125	KB3250F	KB3250FS	HKB3250F	HKB3125T
150	750	1500	KB3150	KB3150S	HKB3150	KB3250F	KB3250FS	HKB3250F	HKB3150T
175	875	1750	KB3175	KB3175S	HKB3175	KB3250F	KB3250FS	HKB3250F	HKB3175T
200	1000	2000	KB3200	KB3200S	HKB3200	KB3250F	KB3250FS	HKB3250F	HKB3200T
225	1125	2250	KB3225	KB3225S	HKB3225	KB3250F	KB3250FS	HKB3250F	HKB3225T
250	1250	2500	KB3250	KB3250S	HKB3250	KB3250F	KB3250FS	HKB3250F	HKB3250T
					Approx. ship. wt. 14 lbs.		Approx. ship. wt. 11 lbs.		Approx. ship. wt. 2 lbs.

- ① These frames are obsolete. For replacement solutions see the cross-reference on Pages 3-97 – 3-118.
- ② Terminals shipped separately from breaker frame.
- ③ Not UL listed.
- ④ 2-pole breakers are supplied in 3-pole frames with current carrying parts omitted from center pole.

Table 3-29. Magnetic Only, Front Adjustable Breakers ⑥

Shaded gray area denotes obsolete or discontinued products and services. ⑥

Continuous Ampere Rating	Magnetic Trip Setting Amperes ②		Trip Units Only	
			2-Poles ⑤	3-Poles
	Low	High	Catalog Number	
250	350	700	HKB2700TM	HKB3700TM
250	500	1000	HKB21000TM	HKB31000TM
250	625	1250	HKB21250TM	HKB31250TM
250	750	1500	HKB21500TM	HKB31500TM
250	875	1750	HKB21750TM	HKB31750TM
250	1125	2250	HKB22250TM	HKB32250TM
250	1250	2500	HKB22500TM	HKB32500TM

- ① 2-pole breakers are supplied in 3-pole frames with current carrying parts omitted from center pole.
- ② These frames are obsolete.
- ③ Set on high side, adjustable to lower limit.

Table 3-30. UL Listed Interrupting Ratings

Maximum Volts	Amperes
<b>Standard Breakers</b>	
240 ac	30,000 Asym., 25,000 Sym.
480 ac	25,000 Asym., 22,000 Sym.
600 ac	15,000 Asym., 14,000 Sym.
250 dc	10,000
<b>MARK 75 Breakers</b>	
240 ac	75,000 Asym., 65,000 Sym.
480 ac	30,000 Asym., 25,000 Sym.
600 ac	20,000 Asym., 18,000 Sym.
250 dc	20,000 ⑥

⑥ Ratings above 10,000 amperes not UL listed.

Table 3-31. Terminals

Maximum Amperes	Number of Cables, Wire Range, Type	Catalog Number
<b>Standard Al/Cu Pressure Terminals</b>		
250	(1) #4 – 350 kcmil Al/Cu	TA250KB
<b>Optional Pressure Terminals</b>		
250	(1) #4 – 350 kcmil Cu	T250KB

Note: Terminals shipped separately from breaker frame.



KB/MARK 75/HKB:  
600 Vac; 250 Vdc

3

Accessories and Modifications

Shaded gray area denotes obsolete or discontinued products and services.

Magnetic Only, Front Adjustable Breakers  
(See Table 3-29)

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.

Note: 2-pole breakers are supplied in 3-pole frames with current carrying parts omitted from center pole.

50°C Calibration

Add suffix "V" to catalog number for complete breaker, listed above, when ordering breakers to be used in 50°C ambients.

For CSA, see Page 3-36.

Note: 2-pole breakers are supplied in 3-pole frames with current carrying parts omitted from center pole.

Type KB breakers meet requirements for Class 19a, as defined by Federal Specification W-C-375b. Type HKB breakers not defined in W-C-375b.

UL Listed Interrupting Ratings (See Table 3-30)

For all 3-phase Delta, grounded B phase applications, contact Avery Creek, NC Technical Resource Center, 1-800-356-1243.

Terminals (See Table 3-31)

Two terminals are required per pole.

Terminals are Underwriters Laboratories listed for wire type and range listed below. When used with aluminum conductors, use joint compound. To order optional copper only terminals, add suffix "C" to complete breaker catalog number.

Magnetic Only Breakers

For description, refer to Application Data 29-160. To order these breakers, select frame, trip unit and terminals.

Additional Accessories and Modifications  
Refer to Pages 3-52 – 3-63.