

March 2006

Aftermarket Solutions, Ref. No. [031]

Types KA and HKA

## Replacement Capabilities (Continued)

Table 3-36. Type KA 70 – 225 Amperes, 600 Vac, 250 Vdc, 2- and 3-Poles, Interchangeable Trip, Thermal Magnetic, Saf-T-Vue and MARK 75 Type HKA

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		
			Includes Pressure Type Aluminum Terminals ③			Frame Only		
			Standard	Saf-T-Vue	MARK 75	Standard	Saf-T-Vue	MARK 75
	Low	High	Catalog Number					
			Standard MARK 75 or Saf-T-Vue					

## 2-Poles, 600 Vac, 250 Vdc ④

70	350	700	KA2070	KA2070S	HKA2070	KA2225F	KA2225FS	HKA2225F	HKA2070T
90	450	900	KA2090	KA2090S	HKA2090	KA2225F	KA2225FS	HKA2225F	HKA2090T
100	500	1000	KA2100	KA2100S	HKA2100	KA2225F	KA2225FS	HKA2225F	HKA2100T
125	625	1250	KA2125	KA2125S	HKA2125	KA2225F	KA2225FS	HKA2225F	HKA2125T
150	750	1500	KA2150	KA2150S	HKA2150	KA2225F	KA2225FS	HKA2225F	HKA2150T
175	875	1750	KA2175	KA2175S	HKA2175	KA2225F	KA2225FS	HKA2225F	HKA2175T
200	1000	2000	KA2200	KA2200S	HKA2200	KA2225F	KA2225FS	HKA2225F	HKA2200T
225	1125	2250	KA2225	KA2225S	HKA2225	KA2225F	KA2225FS	HKA2225F	HKA2225T
			Approx. ship. wt. 12 lbs.			Approx. ship. wt. 9-1/2 lbs.			Approx. ship. wt. 2 lbs.

## 3-Poles, 600 Vac Only

70	350	700	KA3070	KA3070S	HKA3070	KA3225F	KA3225FS	HKA3225F	HKA3070T
90	450	900	KA3090	KA3090S	HKA3090	KA3225F	KA3225FS	HKA3225F	HKA3090T
100	500	1000	KA3100	KA3100S	HKA3100	KA3225F	KA3225FS	HKA3225F	HKA3100T
125	625	1250	KA3125	KA3125S	HKA3125	KA3225F	KA3225FS	HKA3225F	HKA3125T
150	750	1500	KA3150	KA3150S	HKA3150	KA3225F	KA3225FS	HKA3225F	HKA3150T
175	875	1750	KA3175	KA3175S	HKA3175	KA3225F	KA3225FS	HKA3225F	HKA3175T
200	1000	2000	KA3200	KA3200S	HKA3200	KA3225F	KA3225FS	HKA3225F	HKA3200T
225	1125	2250	KA3225	KA3225S	HKA3225	KA3225F	KA3225FS	HKA3225F	HKA3225T
			Approx. ship. wt. 14 lbs.			Approx. ship. wt. 11 lbs.			Approx. ship. wt. 2-1/2 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 limit.

③ Terminals are shipped separately from breaker frame.

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

Table 3-37. Trip Units Only For Magnetic Only and Ambient Compensating Breakers ⑤

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

Continuous Amp Rating	Magnetic Trip Setting, Amperes <sup>⑦</sup>		2-Poles <sup>⑧</sup>	3-Poles
	Low	High	Catalog Number	

## Magnetic Only, Front Adjustable Breakers

225	350	700	HKA2700TM	HKA3700TM
225	625	1250	HKA21250TM	HKA31250TM
225	750	1500	HKA21500TM	HKA31500TM
225	875	1750	HKA21750TM	HKA31750TM
225	1125	2250	HKA22250TM	HKA32250TM

## Ambient Compensating Breakers

70	350	700	HKA2070TA	HKA3070TA
100	500	1000	HKA2100TA	HKA3100TA
125	625	1250	HKA2125TA	HKA3125TA
150	750	1500	HKA2150TA	HKA3150TA
175	875	1750	HKA2175TA	HKA3175TA
200	1000	2000	HKA2200TA	HKA3200TA
225	1125	2250	HKA2225TA	HKA3225TA

⑤ Not UL listed.

⑥ These frames are obsolete. For replacement solutions see the cross-reference on Pages 3-97 – 3-118.

⑦ Set on high side, adjustable to lower limit.

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

Table 3-38. UL Listed Interrupting Ratings

Maximum Volts	Amperes
Standard Breakers	
240 ac	30,000 Asym., 25,000 Sym.
480 ac	25,000 Asym., 22,000 Sym.
600 ac	25,000 Asym., 22,000 Sym.
250 dc	10,000

## MARK 75 Breakers

240 ac	75,000 Asym., 65,000 Sym.
480 ac	40,000 Asym., 35,000 Sym.
600 ac	30,000 Asym., 25,000 Sym.
250 dc	20,000 ⑨

⑨ Ratings above 10,000 amperes not UL listed.

Table 3-39. Terminals

Maximum Amperes	Number of Cables, Wire Range, Type	Catalog Numbers
Standard Al/Cu Pressure Terminals		
225	(1) #6 – 350 kcmil Cu, or (1) #4 – 350 kcmil Al	TA225LA1
Optional Copper Pressure Terminals		
225	(1) #6 – 350 kcmil Cu	T225LA
225 ⑩	(1) #6 – 250 kcmil Cu	T225LBF

⑩ Optional terminal.



KA: 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.

Note: Not UL listed.

## 50°C Calibration

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

Note: Not UL listed.

## Terminals (See Table 3-39)

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.

Type KA breakers meet requirements for Class 19a and 20a circuit breakers, and Type HKA meet requirements for Class 23a as defined by Federal Specification W-C-375b.

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

Note: Terminals are shipped separately from breaker frame.

Note: If upgrading a KA, HKA breaker to a Series C K frame in a panelboard application, also order TAD3 spacer kit.

## UL Listed Interrupting Ratings (See Table 3-38)

## Magnetic Only Breakers

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