

**Types KD, HKD and KDC Electronic Circuit Breakers with Interchangeable Trip Units**

Order as individual components: breaker frame, trip unit, rating plug, terminals.

**Types KD, HKD and KDC Electronic Circuit Breakers with Interchangeable Trip Units—Three-Pole ①**

Max. Cont. Ampere Rating at 40°C ②	Circuit Breaker Frame Only			Digitrip RMS 310 Trip Unit Only ③				Digitrip 310 Rating Plug Only			Standard Terminals Only See Page V4-T2-186 for Optional Terminals	
	Standard Interrupting Capacity 600 Vac Rated 35 kAIC at 480 Vac Catalog Number	High Interrupting Capacity 600 Vac Rated 65 kAIC at 480 Vac	Ultra High Interrupting Capacity 600 Vac Rated 100 kAIC at 480 Vac	Standard	Options		Adjustable Short Time Pickup with I <sup>2</sup> t Short Delay and Ground Fault Protection	Independently Adjustable Short Time Pickup and Delay and Ground Fault Protection	Ampere Rating	Fixed Rating Plug Catalog Number		Adjustable Rating Plug Ampere Rating
	Limiting	Adjustable Short Time Pickup with I <sup>2</sup> t Short Delay Ramp	Independently Adjustable Short Time Pickup and Delay									
125	KD3400F	HKD3400F	KDC3400F	KES3125LS	KES3125LSI	KES3125LSG	KES3125LSIG	70	1KES070T	70/90/100/125 A1KES125T1	TA300K ④	
								90	1KES090T		TA300K ④	
								100	1KES100T		TA300K ④	
								110	1KES110T		TA300K ④	
								125	1KES125T		TA300K ④	
250	KD3400F	HKD3400F	KDC3400F	KES3250LS	KES3250LSI	KES3250LSG	KES3250LSIG	70	2KES070T	125/150/200/250 A2KES250T1	—	
								100	2KES100T		—	
								125	2KES125T		TA300K ④	
								150	2KES150T		TA300K ④	
								160	2KES160T		TA300K ④	
								175	2KES175T		TA300K ④	
								200	2KES200T		TA300K ④	
								225	2KES225T		TA300K ④	
400	KD3400F	HKD3400F	KDC3400F	KES3400LS	KES3400LSI	KES3400LSG	KES3400LSIG	200	4KES200T	200/250/300/400 A4KES400T1	TA300K ④	
								225	4KES225T		TA300K ④	
								250	4KES250T		200/240/260/280 A4KES200T5	TA300K ④
								300	4KES300T		TA300K ④	
								350	4KES350T		320/340/360/380 A4KES300T5	TA350K ④
								400	4KES400T		TA350K ④	
								400	4KES400T		TA350K ④	

**Notes**

- ① Three-pole KES Trip Units are for use in three-pole frames only.
- ② Ampere rating is established by rating plug.
- ③ For AC use only.
- ④ Individually packed.
- ⑤ 3TA400K and 4TA400K terminal kits contain one terminal for each pole and one terminal cover.

# 2.3

## Molded Case Circuit Breakers

### Series C

2

#### Types KD, HKD and KDC Electronic Circuit Breakers with Interchangeable Trip Units—Four Pole <sup>①②</sup>

Max. Cont. Ampere Rating at 40°C <sup>③</sup>	Circuit Breaker Frame Only			Digitrip RMS 310 Trip Unit Only <sup>④</sup>				Digitrip 310 Rating Plug Only			Standard Terminals Only
	Standard Interrupting Capacity 600 Vac Rated 35 kAIC at 480 Vac Catalog Number	High Interrupting Capacity 600 Vac Rated 65 kAIC at 480 Vac	Ultra High Interrupting Capacity 600 Vac Rated 100 kAIC at 480 Vac	Standard Adjustable Short Time Pickup with I <sup>2</sup> t Short Delay Ramp	Options Independently Adjustable Short Time Pickup and Delay	Adjustable Short Time Pickup with I <sup>2</sup> t Short Delay and Ground Fault Protection	Independently Adjustable Short Time Pickup and Delay and Ground Fault Protection	Ampere Rating	Fixed Rating Plug Catalog Number	Adjustable Rating Plug Ampere Rating	
125	KD4400F	HKD4400F	KDC4400F	KES4125LS	KES4125LSI	—	—	70	1KES070T	70/90/100/125	TA300K <sup>⑤</sup>
								90	1KES090T	A1KES125T1	TA300K <sup>⑤</sup>
								100	1KES100T		TA300K <sup>⑤</sup>
								110	1KES110T		TA300K <sup>⑤</sup>
								125	1KES125T		TA300K <sup>⑤</sup>
250	KD4400F	HKD4400F	KDC4400F	KES4250LS	KES4250LSI	—	—	70	2KES070T	125/150/200/250	TA300K <sup>⑤</sup>
								100	2KES100T	A2KES250T1	TA300K <sup>⑤</sup>
								125	2KES125T		TA300K <sup>⑤</sup>
								150	2KES150T		TA300K <sup>⑤</sup>
								160	2KES160T		TA300K <sup>⑤</sup>
								175	2KES175T		TA300K <sup>⑤</sup>
								200	2KES200T		TA300K <sup>⑤</sup>
								225	2KES225T		TA300K <sup>⑤</sup>
400	KD4400F	HKD4400F	KDC4400F	KES4400LS	KES4400LSI	—	—	200	4KES200T	200/250/300/400	TA300K <sup>⑤</sup>
								225	4KES225T	A4KES400T1	TA300K <sup>⑤</sup>
								250	4KES250T	200/240/260/280	TA350K <sup>⑤</sup>
								300	4KES300T	A4KES200T5	TA350K <sup>⑤</sup>
								350	4KES350T	320/340/360/380	TA350K <sup>⑤</sup>
								400	4KES400T	A4KES300T5	4TA400K <sup>⑥</sup>

#### Notes

- ① Trip unit includes protected neutral pole. Use corresponding three-pole trip unit if protected neutral pole is not required.
- ② Fully rated neutral pole protection is standard. For 50% rated protection on neutral pole, add Suffix **E** to four-pole trip unit catalog number.
- ③ Ampere rating is established by rating plug.
- ④ For AC use only.
- ⑤ Individually packed.
- ⑥ 3TA400K and 4TA400K terminal kits contain one terminal for each pole and one terminal cover.

**Types KDB and HKDB with Digitrip 310 Non-Interchangeable Trip Unit Suitable for Reverse Feed**

Maximum Continuous Ampere Rating at 40°C	Number of Poles	Circuit Breaker Frame Including Digitrip RMS 310 Electronic Trip Unit Less Terminals and Rating Plug—Catalog Number				Digitrip RMS 310 Rating Plug (Order as Separate Items)	
		LS	LSI	LSG	LSIG	Fixed	Adjustable
Short Time Range		2–8 x I <sub>n</sub>	2–8 x I <sub>n</sub>	2–8 x I <sub>n</sub>	2–8 x I <sub>n</sub>		
Short Time Delay		—	1–300 ms	—	0–300 ms		
Ground Fault Pickup		—	—	Varies by frame	Varies by frame		
Ground Fault Delay		—	—	0–500 ms	0–500 ms		
<b>Type KDB</b>							
125	3	KDB3125FT33W	KDB3125FT32W	KDB3125FT35W	KDB3125FT36W	1KES070T 1KES090T 1KES100T 1KES125T	70/90/100/125 A1KES125T1
250	3	KDB3250FT33W	KDB3250FT32W	KDB3250FT35W	KDB3250FT36W	2KES070T 2KES090T 2KES100T 2KES125T 2KES150T 2KES160T 2KES175T 2KES200T 2KES225T 2KES250T	125/150/200/250 A2KES250T1
400	3	KDB3400FT33W	KDB3400FT32W	KDB3400FT35W	KDB3400FT36W	4KES200T 4KES225T 4KES250T 4KES300T 4KES350T 4KES400T	200/250/300/400 A4KES400T1 200/240/260/280 A4KES200T5 320/340/360/380 A4KES300T5

# 2.3

## Molded Case Circuit Breakers

### Series C

2

#### Types KDB and HKDB with Digitrip 310 Non-Interchangeable Trip Unit Suitable for Reverse Feed, continued

Maximum Continuous Ampere Rating at 40°C	Number of Poles	Circuit Breaker Frame Including Digitrip RMS 310 Electronic Trip Unit Less Terminals and Rating Plug—Catalog Number				Digitrip RMS 310 Rating Plug (Order as Separate Items)	
		LS	LSI	LSG	LSIG	Fixed	Adjustable
Short Time Range		2–8 x I <sub>n</sub>	2–8 x I <sub>n</sub>	2–8 x I <sub>n</sub>	2–8 x I <sub>n</sub>		
Short Time Delay		—	l–300 ms	—	0–300 ms		
Ground Fault Pickup		—	—	Varies by frame	Varies by frame		
Ground Fault Delay		—	—	0–500 ms	0–500 ms		
<b>Type HKDB</b>							
125	3	HKDB3125FT33W	HKDB3125FT32W	HKDB3125FT35W	HKDB3125FT36W	1KES070T 1KES090T 1KES100T 1KES125T	70/90/100/125 A1KES125T1
250	3	HKDB3250FT33W	HKDB3250FT32W	HKDB3250FT35W	HKDB3250FT36W	2KES070T 2KES090T 2KES100T 2KES125T 2KES150T 2KES160T 2KES175T 2KES200T 2KES225T 2KES250T	125/150/200/250 A2KES250T1
400	3	HKDB3400FT33W	HKDB3400FT32W	HKDB3400FT35W	HKDB3400FT36W	4KES200T 4KES225T 4KES250T 4KES300T 4KES350T 4KES400T	125/150/200/250 A4KES250T1 200/240/260/280 A4KES200T5 320/340/360/380 A4KES300T5

**100% Rated Types CKD and CHKD Electronic Circuit Breakers**

The NEC allows the breaker to be rated at 100% of its frame size in an assembly, provided that 90°C wire is applied at the 75°C ampacity. All 100% rated circuit breakers have electronic trip units.

**100% Rated Types CKD and CHKD Electronic Circuit Breakers—Three Pole**

Maximum Continuous Ampere Rating at 40°C	Circuit Breaker Frame Only		Digitrip RMS 310 Trip Unit Only				Digitrip 310 Rating Plug Only			Standard Terminals Only  See Page V4-T2-186 for Optional Terminals	
	Standard Interrupting Capacity  35 kAIC at 480 Vac  Catalog Number	High Interrupting Capacity  65 kAIC at 480 Vac	Standard		Adjustable Short Time Pickup with I <sup>2</sup> t Short Delay Ramp	Options  Independently Adjustable Short Time Pickup and Delay	Adjustable Short Time Pickup with I <sup>2</sup> t Short Delay and Ground Fault Protection	Independently Adjustable Short Time Pickup and Delay and Ground Fault Protection	Adjustable Rating Plug  Ampere Rating		Fixed Rating Plug  Ampere Rating
			Adjustable Short Time Pickup with I <sup>2</sup> t Short Delay Ramp	Independently Adjustable Short Time Pickup and Delay							
125	CKD3400F	CHKD3400F	KES3125LS	KES3125LSI	KES3125LSG	KES3125LSIG	70	1KES070T	70/90/100/125 A1KES125T1	TA300K ①	
							90	1KES090T		TA300K ①	
							100	1KES100T		TA300K ①	
							110	1KES110T		TA300K ①	
							125	1KES125T		TA300K ①	
							125	1KES125T		TA300K ①	
250	CKD3400F	CHKD3400F	KES3250LS	KES3250LSI	KES3250LSG	KES3250LSIG	70	2KES070T	125/150/200/225 A2KES250T1	TA300K ①	
							100	2KES100T		TA300K ①	
							125	2KES125T		TA300K ①	
							150	2KES150T		TA300K ①	
							160	2KES160T		TA300K ①	
							175	2KES175T		TA300K ①	
							200	2KES200T		TA300K ①	
							225	2KES225T		TA300K ①	
400	CKD3400F	CHKD3400F	KES3400LS	KES3400LSI	KES3400LSG	KES3400LSIG	200	4KES200T	200/250/300/400 A4KES400T1	TA300K ①	
							225	4KES225T		TA300K ①	
							250	4KES250T		220/240/260/280 A4KES200T5	TA350K ①
							300	4KES300T		TA350K ①	
							350	4KES350T		320/340/360/380 A4KES300T5	TA350K ①
							400	4KES400T		TA350K ①	

**Notes**

- ① Individually packed.
- ② 3TA400K terminal kit contains one terminal for each pole and one terminal cover.