Series C K-Frame 70-400A, 240-600V

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Legacy Trip Unit Types

Earth Leakage Module Curves

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KES Digitrip RMS 310 Electronic Trip Unit

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Types KES3250LS, KES3250LSG	
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Types KES3400LSG, KES3400LSIG	
Types KES3250LSG, KES3250LSIG	
Types KES3125LSG, KES3125LSIG	
Type KS Electronic Trip Unit	

Note:

Time/Current characteristic curves for Series C K-frame circuit breakers–voltages shown in curve headings are maximum at which the breaker may be applied. Interrupting capacity of individual breaker is tabulated on each curve.

Note:

The following curves are UL489 Listed for use in North America. The following circuit breakers are derived from Eaton, Westinghouse, or Cutler-Hammer history.

Time Current Curves are engineering reference documents for application and coordination purposes only. For field testing molded case circuit breakers, refer to NEMA AB 4 guidelines.

Page

Note: Unless noted below, all curves remain unchanged from their prior revision.

Revision	Curve Number	Page	Date
nstantaneous curves adjusted		7–14	9 - 2015
to meet specifications.			
ZSI times added to short delay curves		7–14	9 - 2015

Catalog Number Selection

This information is presented only as an aid to understanding catalog numbers. It is not to be used to build catalog numbers for circuit breakers or trip units.

K-Frame with 310+ Electronic Trip Unit Technology

Table 1. 400A Frame Only



Table 2. 125/250/400A 310+ Electronic Trip Unit



Table 3. 125/ 250/400A K-Frame 310+ Factory Assembled Breaker ②



Notes

① Only one B2x feature can be used

② Not available in four-pole configurations.

K-Frame with Thermal-Magnetic Trip Unit Technology

Table 4. Thermal-Magnetic Breaker/Frame



Table 5. Thermal-Magnetic Trip Unit



K-Frame with OPTIM 550/1050 Trip Unit Technology

Table 6. OPTIM 550/1050 Circuit Breaker/Frame





Figure 1. Digitrip 310+ Namplates



Figure 2. Front View of L-Frame Type OPTIM Trip Unit (K and N-Frame Designs are Similar)



Figure 3. Digitrip 310+ Trip Units (125A), Long Delay and Short Delay with Flat Response and Override (LSI, LSIG, ALSI, ALSIG) – Curve Number TD012014EN, September 2015



Figure 4. Digitrip 310+ Trip Units (250A and 400A), Long Delay and Short Delay with Flat Response and Override (LSI, LSIG, ALSI, ALSIG) - Curve Number TD012007EN, September 2015



Figure 5. Digitrip 310+ Trip Units (125A), Long Delay Response and Short Delay with I²T Response Curve and Override (LS, LSG) - TD012015EN, September 2015



Figure 6. Digitrip 310+ Trip Units (250A and 400A), Long Delay Response and Short Delay with I²T Response Curve and Override (LS, LSG) – Curve Number TD012008EN, September 2015



Figure 3. Digitrip 310+ Trip Units (125A), Long Delay and Short Delay with Flat Response and Override (LSI, LSIG, ALSI, ALSIG) – Curve Number TD012016EN, September 2015





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Figure 4. Digitrip 310+ Trip Units (250A and 400A), Long Delay and Short Delay with Flat Response and Override (LSI, LSIG, ALSI, ALSIG) - Curve Number TD012012EN, September 2015



Figure 5. Digitrip 310+Trip Units (125A), Long Delay Response and Short Delay with I²T Response Curve and Override (LS, LSG) - TD012017EN, September 2015



Figure 6. Digitrip 310+ Trip Units (250A and 400A), Long Delay Response and Short Delay with I²T Response Curve and Override (LS, LSG) – Curve Number TD012013EN, September 2015



Figure 7. Ground Fault Delay Response Curve (LSG, LSIG, ALSIG) - Curve Number TD012009EN

Series C

K-Frame

Time Current Curves TD012034EN

Effective September 2015





Maintenance Mode Trip

Figure 8. Maintenance Mode Setting (ALSI, ALSIG) - Curve Number TD012010EN, February 2014



Figure 9. Thermal-Magnetic Series CTypes KDB, KD, HKD Circuit Breakers - Curve Number SC-4118-87B, February 2014



Figure 10. Thermal-Magnetic Series C Type KDC Circuit Breakers - Curve Number SC-4119-87B, February 2014



Figure 11. Peak Let-Through I 2 t Curve — 240 V - Curve Number AD-29-166A

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K-Frame



Figure 12. Peak Let-Through Current Curve – 240 V - Curve Number AD-29-166A



Figure 13. Peak Let-Through I²t Curve – 480 V - Curve Number AD-29-166B



Figure 14. Peak Let-Through Current - 480 V - Curve Number AD-29-166B



Figure 15. Peak Let-Through I 2 t — 600 V - Curve Number AD-29-166C

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Figure 16. Peak Let-Through Current - 600 V - Curve Number AD-29-166C

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Figure 17. Digitrip Optim Long Delay I²T and Short Delay I²T Response - Curve Number SC-6924-98, May 1998

Series C K-Frame



Figure 18. Digitrip Optim Long Delay I²T and Short Delay Flat Response - Curve Number SC-6925-98, May 1998



Figure 19. Digitrip Optim Long Delay I⁴T and Short Delay Flat Response - Curve Number SC-6926-98, May 1998

Series C K-Frame



Digitrip OPTIM 550/1050 Circuit Breaker Time/Current Curves (Phase Current) Series C K-Frame Circuit Breakers

INSTANTANEOUS AND OVERRIDE 125A Trip Unit

Available Rating Plugs

Maximum Ampere Rating	Rating Plug Ampere Rating (I _n)	Rating Plug Catalog Number	Long Delay Pickup (I _r) Range 2 to 8 x I _n Amperes	Override Amperes
125	125	ORPK125A125	250 -1000	1275 -1725
125	110	ORPK125A110	220 -880	1275 -1725
125	100	ORPK125A100	200 -800	1275 -1725
125	90	ORPK125A090	180 - 720	1275 -1725
125	70	ORPK125A070	140 - 560	1275 -1725

Interrupting Rating

	UL/CS/	A rms Syn	n. kA, 50/60 Hz	
Breaker Type	240V	480V	600V	
KD, CKD	65	35	25	
HKD, CHKD	100	65	35	
KDC	200	100	50	

For field testing primary injection methods, follow NEMA AB4 guidelines.

(2) Calibration response in short delay pickup range is the same for 1, 2, or 3 poles in series.

(4) The end of the curve is determined by the interrupting rating of the circuit breaker. See above tabulation.

(5) The instantaneous pick up settings are +/- 10%

6) For additional curve tolerances contact Eaton.

 \bigodot Total clearing times shown include the response times of the trip unit, the breaker opening, and the quenching of the arcing current.

8 Fixed Instantaneous Override =1500A +/- 15%



Figure 20. Digitrip Optim Instantaneous and Override, 125A Trip Unit - Curve Number SC-6927-98, May 1998

CURRENT IN MULTIPLES OF PLUG RATING In

③ There is a memory effect that can act to shorten the long delay. The memory effect comes into play if a current above the long delay pickup value exists for a time and then is cleared by the tripping of a downstream device or the circuit breaker itself. A subsequent overload will cause the circuit breaker to trip in shorter time than normal. The amount of time reduction is inverse to the amount of time that has elapsed since the previous overload. Approximately five minutes is required between overloads to completely teset the memory. completely reset the memory.



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Digitrip OPTIM 550/1050 Circuit BreakerTime/Current Curves

(Phase Current) Series C K-Frame Circuit Breakers

INSTANTANEOUS AND OVERRIDE, 250A Trip Unit

Available Pating Pluge

lating Plugs			
Rating Plug Ampere Rating (I _n)	Rating Plug Catalog Number	Long Delay Pickup (I _r) Range 2 to 8 x I _n Amperes	Override Amperes
250	ORPK250A250	500 - 2000	2550 - 3450
225	ORPK250A225	450 - 1800	2550 - 3450
200	ORPK250A200	400 - 1600	2550 - 3450
175	ORPK250A175	350 - 1400	2550 - 3450
160	ORPK250A160	320 - 1280	2550 - 3450
150	ORPK250A150	300 - 1200	2550 - 3450
125	ORPK250A125	250 - 1000	2550 - 3450
	Rating Plug Ampere Rating (I _n) 250 225 200 175 160 150	Rating Plug Ampere Rating (In) Rating Plug Catalog Number 250 ORPK250A250 225 ORPK250A250 200 ORPK250A200 175 ORPK250A150 160 ORPK250A150 150 ORPK250A150	Rating Plug Ampere Rating (In) Rating Plug Catalog Number Long Delay Pickup (Ir) Range 2 to 8 x / J Amperes 250 ORFK250A250 500 - 2000 225 ORFK250A250 500 - 2000 225 ORFK250A225 450 - 1800 200 ORFK250A220 400 - 1600 175 ORFK250A175 350 - 1400 160 ORFK250A150 320 - 1280 150 ORFK250A150 300 - 1200

Interrupting Rating

	UL/CSA rms Sym. kA, 50/60 Hz			
Breaker Type	240V	480V	600V	_
KD, CKD	65	35	25	
HKD, CHKD	100	65	35	

Notes:

(1) For field testing primary injection methods, follow NEMA AB4 guidelines.

100

(2) Calibration response in short delay pickup range is the same for 1, 2, or 3 poles in series.

50

- ③ There is a memory effect that can act to shorten the long delay. The memory effect comes into play if a current above the long delay pickup value exists for a time and then is cleared by the tripping of a downstream device or the circuit breaker itself. A subsequent overload will cause the circuit breaker to trip in shorter time than normal. The amount of time reduction is inverse to the amount of time that has elapsed since the previous overload. Approximately five minutes is required between overloads to completely reset the memory.
- ④ The end of the curve is determined by the interrupting rating of the circuit breaker. See above tabulation.
- (5) The instantaneous pickup settings are +/- 10%.

200

- (6) For additional curve tolerances contact Eaton.
- \bigodot Total clearing times shown include the response times of the trip unit, the breaker opening, and the quenching of the arcing current.

(8) Fixed Instantaneous Override =3000A +/- 15%.



Figure 21. Digitrip Optim Instantaneous and Override, 250A Trip Unit - Curve Number SC-6928-98, May 1998

Series C **K-Frame**



Digitrip OPTIM 550/1050 Circuit Breaker Time/Current Curves

INSTANTANEOUS AND OVERRIDE, 400A Trip Unit

Rating Plug Ampere Rating (I _n)	Rating Plug Catalog Number	Long Delay Pickup (I _r) Range 2 to 8 x I _n Amperes	Override Amperes
400	ORPK400A400	800 - 3200	4080 - 5520
350	ORPK400A350	700 -2800	4080 - 5520
300	ORPK400A300	600 - 2400	4080 - 5520
250	ORPK400A250	500 - 2000	4080 - 5520
225	ORPK400A225	450 - 1800	4080 - 5520
200	ORPK400A200	400 - 1600	4080 - 5520
	Ampere Rating (I _n) 400 350 300 250 225	Ampère Rating (In) Catalòg Number 400 ORPK400A400 350 ORPK400A350 300 ORPK400A300 250 ORPK400A250 225 ORPK400A255	Rating Plug Ampere Rating Rating Plug Call Pickup (I,) Range 2 to 8 x I_n Amperes 400 0RPK400A400 800 - 3200 350 0RPK400A300 600 - 2400 300 0RPK400A300 600 - 2400 250 0RPK400A250 500 - 2000 225 0RPK400A252 450 - 1800

	UL/CSA	A rms Syn	n. kA, 50/60 Hz	
karTuna	2401/	400\/	C001/	

Breaker Type	240V	480V	600V	
KD, CKD	65	35	25	
HKD, CHKD	100	65	35	
KDC	200	100	50	

1) For field testing primary injection methods, follow NEMA AB4 guidelines.

(2) Calibration response in short delay pickup range is the same for 1, 2, or 3 poles in series.

(3) There is a memory effect that can act to shorten the long delay. The memory effect comes into play if a current above the long delay pickup value exists for a time and then is cleared by the tripping of a downstream device or the circuit breaker itself. A subsequent overload will cause the circuit breaker to trip in shorter time than normal. The amount of time reduction is inverse to the amount of time that has elapsed since the previous overload. Approximately five minutes is required between overloads to completely reset the memory.

④ The end of the curve is determined by the interrupting rating of the circuit breaker. See above tabulation.

⑦ Total clearing times shown include the response times of the trip unit, the breaker opening, and the quenching of the arcing current.



Figure 22. Digitrip Optim Instantaneous and Override, 400A Trip Unit - Curve Number SC-6929-98, May 1998



Figure 23. Digitrip Optim Ground Fault Trip or Ground Fault Alarm Only - Curve Number SC-6930-98, May 1998



Figure 24. UL Series C K-Frame Circuit breaker Earth Leakage Module, 110-480V - Curve Number TC01212005E, March 2003

- Legacy Product -



Figure 25. IEC Series C K-Frame Circuit breaker Earth Leakage Module, 110-480V - Curve Number TC01212006E, March 2003



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Digitrip 310 Circuit Breaker Time/Current Curves (Phase Current) Series C K-Frame Circuit Breakers

Catalog Types: KES3400LS, KES3400LSG Digitrip RMS 310 Trip Units for use with Circuit Breaker Types KDB, CKDB, HKDB, CHKDB, KD, HKD, CKD, and CHKD, 400A. max.

Fixed Short Delay Time	Тур	ical Trip Unit Nameplate
Digitrip RMS 310 Rating Plug Cat. In Push to Trip Engaged	Short Delay Pickup **/r 4 5 6 2 5 7 2 8 Digitric RMS 310 Trip Unit 40°C	TEST

Available Rating Plugs

Ampere Rating (I _n)	Туре	Catalog Number	Short Delay Pickup Range Amperes
400	Fixed	4KES 400T	800 - 3200
350	Fixed	4KES 350T	700 - 2800
300	Fixed	4KES 300T	600 - 2400
250	Fixed	4KES 250T	500 - 2000
225	Fixed	4KES 225T	450 - 1800
200	Fixed	4KES 200T	400 - 1600
200, 250, 300, 400	Adjustable	A4KES 400T1	400 - 3200
250, 300, 350, 400	Adjustable	A4KES 400T3	500 - 3200

Interrupting Rating

	UL/CSA rms	Sym. kA, 50	/60 Hz
Breaker Type	240V	480V	600V
KD, CKD, KDB, CKDB	65	35	25
HKD CHKD HKDB CHKDB	100	65	35

	IEC 60947-2	rms Sym. kA	, 50/60 Hz
Breaker Type	240V	380V	415V
KD, CKD, KDB, CKDB	65	40	40
HKD CHKD HKDB CHKDB	100	65	65

Notes:

 I_{p} = Continuous Current Setting or Rating Plug Value, I_{g} = Current Sensor Frame Rating, I_{n} = Rating Plug Value, I_{g} = Unit of Ground Current, I_{i} = Instantaneous Override Pickup.

Digitrip RMS 310 trip units are suitable for functional field testing with test kit Cat. No. STK2. For field testing using primary injection methods, follow NEMA publication AB-4.

There is a memory effect that can act to shorten the long delay. The memory effect comes into play if a current above the long delay pickup value exists for a time and then is cleared by the tripping of a downstream device or the circuit breaker itself. A subsequent overload will cause the circuit breaker to trip in shorter time than normal. The amount of time delay reduction is inverse to the amount of time that has elapsed since the previous overload. Approximately five minutes is required between overloads to completely reset the memory.

 \bigodot Curve accuracy applies from –20°C to +55°C ambient. For possible continuous ampere derating for ambient above 40°C, refer to Eaton.

② For high fault current levels, a fixed instantaneous override is provided at 4000A (Tolerance ±15%).

③ The end of the curve is determined by the interrupting rating of the circuit breaker. See above tabulation.

(4) Long Delay Pickup is 115% of In, +/- 5%.



Figure 26. Series C Types KD, CKD, HKD, CHKD Circuit Breakers Equipped with Type KES Digitrip RMS 310 Trip Units, Types KES3400LS, KES3400LSG



F:T•N

Digitrip 310 Circuit Breaker Time/Current Curves (Phase Current) Series C K-Frame Circuit Breakers

Catalog Types: KES3400LSI, KES3400LSIG Digitrip RMS 310 Units for use with Circuit Breaker Types KD, HKD, CKD, and CHKD, 400A. max.

xed Short Delay Time		Typical Trip Unit Nameplat
Digitrip RMS 310 Rating Plug Cat. In Push to Trip Engaged -	$ \frac{\begin{array}{c} \text{Short Delay}\\ \text{Pickup } \neq I_r\\ 3\\ 2\\ \end{array}} \xrightarrow{5} 6\\ 7\\ 8 \end{array} $	TEST
Remove	Digitrip RMS 310 Trip Unit 40°C	

Available Rating Plugs

Ampere Rating (I _n)	Туре	Catalog Number	Short Delay Pickup Range Amperes
400	Fixed	4KES 400T	800 - 3200
350	Fixed	4KES 350T	700 - 2800
300	Fixed	4KES 300T	600 - 2400
250	Fixed	4KES 250T	500 - 2000
225	Fixed	4KES 225T	450 - 1800
200	Fixed	4KES 200T	400 - 1600
200, 250, 300, 400	Adjustable	A4KES 400T1	400 - 3200
250, 300, 350, 400	Adjustable	A4KES 400T3	500 - 3200

Interrupting Rating

	UL/CSA rms	Sym. kA, 50	/60 Hz
Breaker Type	2401/	480V	600V

Dieakei type	240 V	400 V	0000
KD, CKD	65	35	25
HKD, CHKD	100	65	35
	IEC 60947-2	rms Sym. kA	, 50/60 Hz
Breaker Type	240V	380V	415V
KD, CKD	65	40	40
HKD, CHKD	100	65	65

Notes:

$$\begin{split} I_{p} &= \text{Continuous Current Setting or Rating Plug Value, I}_{s} &= \text{Current Sensor Frame Rating,} \\ I_{n} &= \text{Rating Plug Value, I}_{g} &= \text{Unit of Ground Current, I}_{i} &= \text{Instantaneous Override Pickup.} \end{split}$$

Digitrip RMS 310 trip units are suitable for functional field testing with test kit Cat. No. STK2. For field testing using primary injection methods, follow NEMA publication AB-4.

There is a memory effect that can act to shorten the long delay. The memory effect comes into play if a current above the long delay pickup value exists for a time and then is cleared by the tripping of a downstream device or the circuit breaker itself. A subsequent overload will cause the circuit breaker to trip in shorter time than normal. The amount of time delay reduction is inverse to the amount of time that has elapsed since the previous overload. Approximately five minutes is required between overloads to completely reset the memory.

- \bigoplus Curve accuracy applies from –20°C to +55°C ambient. For possible continuous ampere derating for ambient above 40°C, refer to Eaton.
- O For high fault current levels, a fixed instantaneous override is provided at 4000A (Tolerance ±15%).

③ The end of the curve is determined by the interrupting rating of the circuit breaker. See above tabulation.

④ Long Delay Pickup is 115% of In, +/- 5%.



Figure 27. Series C Types KD, CKD, HKD, CHKD Circuit Breakers Equipped with Type KES Digitrip RMS 310 Trip Units, Types KES3400LSI, KES3400LSIG



F:T•N

Digitrip 310 Circuit BreakerTime/Current Curves (Phase Current) Series C K-Frame Circuit Breakers

Catalog Types: KES3250LS, KES3250LSG Digitrip RMS 310 Units for use with Circuit Breaker Types KDB, CKDB, HKDB, CHKDB, KD, HKD, CKD, and CHKD, 250A. max.

Fixed Short Delay Time	Туріс	al Trip Unit Nameplate
Digitrip RMS 310 Rating Plug	Short Delay	
Cat. In Push to Trip Engaged — Remove	Pickup $\times I_r$ $3 \xrightarrow{5}{2} \xrightarrow{6}{7} \frac{6}{7}$ Digitrip RMS 310 Trip Unit	TEST

Available Rating Plugs

Ampere Rating (I _n)	Туре	Catalog Number	Short Delay Pickup Range Amperes
250	Fixed	2KES 250T	250 - 1000
225	Fixed	2KES 225T	220 - 880
200	Fixed	2KES 200T	200 - 800
175	Fixed	2KES 175T	180 - 720
150	Fixed	2KES 150T	140 - 560
125	Fixed	2KES 125T	250 - 1000
125, 150, 200, 2	50 Adjustable	A2KES 250T1	250 - 2000

Interrupting Rating

	JL/CSA rms	Sym. kA, 50	/60 Hz
Breaker Type	240V	480V	600V
KD, CKD, KDB, CKDB	65	35	25
HKD, CHKD, HKDB, CHKDB	100	65	35

	IEC 60947-2	rms Sym. kA	, 50/60 Hz
Breaker Type	240V	380V	415V
KD, CKD, KDB, CKDB	65	40	40
HKD, CHKD, HKDB, CHKDB	100	65	65

Notes:

 $\label{eq:linear} \begin{array}{l} I_r = {\sf Continuous} \ {\sf Current} \ {\sf Setting} \ {\sf or} \ {\sf Rating} \ {\sf Plug} \ {\sf Value}, \ I_g = {\sf Current} \ {\sf Sensor} \ {\sf Frame} \ {\sf Rating}, \\ I_n = {\sf Rating} \ {\sf Plug} \ {\sf Value}, \ I_g = {\sf Unit} \ {\sf of} \ {\sf Ground} \ {\sf Current}, \ I_i = {\sf Instantaneous} \ {\sf Override} \ {\sf Pickup}. \end{array}$

Digitrip RMS 310 trip units are suitable for functional field testing with test kit Cat. No. STK2. For field testing using primary injection methods, follow NEMA publication AB-4.

There is a memory effect that can act to shorten the long delay. The memory effect comes into play if a current above the long delay pickup value exists for a time and then is cleared by the tripping of a downstream device or the circuit breaker itself. A subsequent overload will cause the circuit breaker to trip in shorter time than normal. The amount of time delay reduction is inverse to the amount of time that has elapsed since the previous overload. Approximately five minutes is required between overloads to completely reset the memory.

- ① Curve accuracy applies from -20°C to +55°C ambient. For possible continuous ampere derating for ambient above 40°C, refer to Eaton.
- O For high fault current levels, a fixed instantaneous override is provided at 4000A (Tolerance $\pm 15\%).$

③ The end of the curve is determined by the interrupting rating of the circuit breaker. See above tabulation.

(4) Long Delay Pickup is 115% of In, +/- 5%.



Figure 28. Series C Types KD, CKD, HKD, CHKD Circuit Breakers Equipped with Type KES Digitrip RMS 310 Trip Units, Types KES3250LS, KES3250LSG

– Legacy Product –



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Digitrip 310 Circuit Breaker Time/Current Curves (Phase Current) Series C K-Frame Circuit Breakers

Catalog Types: KES3250LSI, KES3250LSIG Digitrip RMS 310 Units for use with Circuit Breaker Types KDB, CKDB, HKDB, CHKDB, KD, HKD, CKD, and CHKD, 250A. max



Available Rating Plugs

Ampere Rating (I _n)	Туре	Catalog Number	Short Delay Pickup Range Amperes
250	Fixed	2KES 250T	500 - 2000
225	Fixed	2KES 225T	450 - 1800
200	Fixed	2KES 200T	400 - 1600
175	Fixed	2KES 175T	350 - 1400
150	Fixed	2KES 150T	300 - 1200
125	Fixed	2KES 125T	250 - 1000
125, 150, 200,	250 Adjustable	A2KES 250T1	250 - 2000

Interrupting Rating

Interrupting Rating	UL/CSA rms	Sym. kA, 50	/60 Hz
Breaker Type	240V	480V	600V
KD, CKD, KDB, CKDB	65	35	25
HKD, CHKD, HKDB, CHKDB	100	65	35
	IEC 60947-2	rms Sym. kA,	50/60 Hz
Breaker Type	240V	380V	415V

KD, CKD, KDB, CKDB HKD, CHKD, HKDB, CHKDB 100 65

Notes:

Ir = Continuous Current Setting or Rating Plug Value, Is = Current Sensor Frame Rating, $\mathbf{I_n}$ = Rating Plug Value, $\mathbf{I_g}$ = Unit of Ground Current, $\mathbf{I_i}$ = Instantaneous Override Pickup.

Digitrip RMS 310 trip units are suitable for functional field testing with test kit Cat. No.STK2. For field testing using primary injection methods, follow NEMA publication AB-4

There is a memory effect that can act to shorten the long delay. The memory effect comes into play if a current above the long delay pickup value exists for a time and then is cleared by the tripping of a downstream device or the circuit breaker itself. A subsequent overload will cause the circuit breaker to trip in shorter time than normal. The amount of time delay reduction is inverse to the amount of time that has elapsed since the previous overload. Approximately five minutes is required between overloads to completely reset the memory.

- \bigoplus Curve accuracy applies from –20°C to +55°C ambient. For possible continuous ampere derating for ambient above 40°C, refer to Eaton.
- 2 For high fault current levels, a fixed instantaneous override is provided at 4000A (Tolerance ±15%).

③ The end of the curve is determined by the interrupting rating of the circuit breaker. See above tabulation.

(4) Long Delay Pickup is 115% of In, +/- 5%



Figure 29. Series C Types KD, CKD, HKD, CHKD Circuit Breakers Equipped with Type KES Digitrip RMS 310 Trip Units, Types KES3250LSI, KES3250LSIG

CURRENT IN MULTIPLES OF RATING PLUG AMPERES (I

.15

10.000

3,000 2,00

1 000

500

300

20

10

30

MINUTE

TIME IN SECONDS

Long Delay Minimum Total

Clearing Time

50

HOUR 5.00 4 5 6 7 8 9

Standard Fixed Rating Plug 110% - 1209

Long Delay 1 Maximum Total Clearing Time

F-T-N

Digitrip 310 Circuit Breaker Time/Current Curves (Phase Current) Series C K-Frame Circuit Breakers

Catalog Types: KES3125LS, KES3125LSG Digitrip RMS 310 Trip Units for use with Circuit Breaker Types: KDB, HKDB, CKDB, CHKDB, KD, HKD, CKD, and CHKD, 125A. max.

ixed Short Delay Time	Тур	ical Trip Unit Namepla
Digitrip RMS 310 Rating Plug	Short Delay	
Cat.	Pickup × Ir	
In Push to Trip	. 5 .	
$\langle n \rangle$,ª xtx. ⁸ ,	
Engaged —(付 🗖)	,XX,	TEST
	Digitrip RMS 310 Trip Unit	
Bemove	40°C	

Available Rating Plugs

Ampere Rating (I _n)	Туре	Catalog Number	Short Delay Pickup Range Amperes
125	Fixed	1KES 125T	250 - 1000
110	Fixed	1KES 110T	220 - 880
100	Fixed	1KES 100T	200 - 800
90	Fixed	1KES 90T	180 - 720
70	Fixed	1KES 70T	140 - 560
70, 90, 100, 125	Adjustable	A1KES 125T1	140-1000

	UL/CSA rms Sym. kA, 50/60 Hz			
Breaker Type	240V	480V	600V	
KD, CKD, KDB, CKDB	65	35	25	
HKD, CHKD, HKDB, CHKDB	100	65	35	

	IEC 60947-2	rms Sym. kA,	50/60 Hz
Breaker Type	240V	380V	415V
KD, CKD, KDB, CKDB	65	40	40
HKD, CHKD, HKDB, CHKDB	100	65	65
KDC	200	100	50

Notes:

Short Delay Pickup

Settings (Toler nce ±10%)

 I_r = Continuous Current Setting or Rating Plug Value, I_s = Current Sensor Frame Rating, I_n = Rating Plug Value, I_g = Unit of Ground Current, I_i = Instantaneous Override Pickup.

Digitrip RMS 310 trip units are suitable for functional field testing with test kit Cat. No. STK2. For field testing using primary injection methods, follow NEMA publication AB-4.

There is a memory effect that can act to shorten the long delay. The memory effect comes into play if a current above the long delay pickup value exists for a time and then is cleared by the tripping of a downstream device or the circuit breaker itself. A subsequent overload will cause the circuit breaker to trip in shorter time than normal. The amount of time delay reduction is inverse to the amount of time that has elapsed since the previous overload. Approximately five minutes is required between overloads to completely reset the memory.

① Curve accuracy applies from -20°C to +55°C ambient. For possible continuous ampere derating for ambient above 40°C, refer to Eaton.

② For high fault current levels, a fixed instantaneous override is provided at 3000A Tolerance +15%)

③ The end of the curve is determined by the interrupting rating of the circuit breaker. See above tabulation.

(4) Long Delay Pickup is 115% of In, +/- 5%.



Figure 30. Series C Types KD, CKD, HKD, CHKD Circuit Breakers Equipped with Type KES Digitrip RMS 310 Trip Units, Types KES3125LS, KES3125LSG

Ampere Rating (I _n)	Туре	Catalog Number	Short Delay Pickup Range Amperes
125	Fixed	1KES 125T	250 - 1000
<u>110</u>	Fixed	1KES 110T	220 - 880
100	Fixed	1KES 100T	200 - 800
90	Fixed	1KES 90T	180 - 720
70	Fixed	1KES 70T	140 - 560
70.90.100.125	Adjustable	A1KES 125T1	140- 1000

Interrupting Rating

	OL/03A mis Sym. KA, 50/00 HZ			
Breaker Type	240V	480V	600V	
KD, CKD, KDB, CKDB	65	35	25	
HKD, CHKD, HKDB, CHKDB	100	65	35	

IEC 60947-2 rms Sym. kA, 50/60 Hz			
240V	380V	415V	
65	40	40	
100	65	65	
200	100	50	
	240V 65 100	240V 380V 65 40 100 65	

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FAT•N

Digitrip 310 Circuit Breaker Time/Current Curves (Phase Current) Series C K-Frame Circuit Breakers

Catalog Types: KES3125LSI, KES3125LSIG Digitrip RMS 310 Trip Units for use with Circuit Breaker Types KDB, CKDB, HKDB, CHKDB, KD, HKD, CKD, and CHKD, 125A. max.



Available Rating Plugs

Ampere Rating (I _n)	Туре	Catalog Number	Short Delay Pickup Range Amperes
125	Fixed	1KES 125T	250 - 1000
110	Fixed	1KES 110T	220 - 880
100	Fixed	1KES 100T	200 - 800
90	Fixed	1KES 90T	180 - 720
70	Fixed	1KES 70T	140 - 560
70, 90, 100, 125	Adjustable	A1KES 125T1	140-1000

Interrupting Rating

interrupting nating	UL/CSA rms Sym. kA, 50/60 Hz			
Breaker Type	240V	480V	600V	
KD, CKD, KDB, CKDB	65	35	25	
HKD, CHKD, HKDB, CHKDB	100	65	35	
	IEC 60947-2	rms Sym. kA,	50/60 Hz	
Breaker Type	240V	380V	415V	
KD, CKD, KDB, CKDB	65	40	40	

100

 $\mathbf{I_r}$ = Continuous Current Setting or Rating Plug Value, $\mathbf{I_s}$ = Current Sensor Frame Rating, l_n = Rating Plug Value, l_g = Unit of Ground Current, l_i = Instantaneous Override Pickup.

65

65

Digitrip RMS 310 trip units are suitable for functional field testing with test kit Cat. No. STK2. For field testing using primary injection methods, follow NEMA publication AB-4.

There is a memory effect that can act to shorten the long delay. The memory effect comes into There is a memory effect that can be to be the index of a memory deal. The memory effect that comes me play if a current above the long delay pickup value exists for a time and then is cleared by the tripping of a downstream device or the circuit breaker itself. A subsequent overload will cause the circuit breaker to trip in shorter time than normal. The amount of time delay reduction is inverse to the amount of time that has elapsed since the previous overload. Approximately five minutes is required between overloads to completely reset the memory.

- 0 Curve accuracy applies from -20°C to +55°C ambient. For possible continuous ampere derating for ambient above 40°C, refer to Eaton.
- 2 For high fault current levels, a fixed instantaneous override is provided at 3000A (Tolerance ±15%).
- ③ The end of the curve is determined by the interrupting rating of the circuit breaker See above tabulation.

4 Long Delay Pickup is 115% of In, +/- 5%



Figure 31. Series C Types KD, CKD, HKD, CHKD Circuit Breakers Equipped with Type KES Digitrip RMS 310 Trip Units, Types KES3125L-SI, KES3125LSIG
lameplate

– Legacy Product –



Digitrip 310 Circuit Breaker Time/Current Curves (Phase Current)

Series C K-Frame Circuit Breakers

Catalog Types: KES3400LS, KES3400LSG Digitrip RMS 310 Trip Units for use with Circuit Breaker Type KDC, 400A. max.

Fixed Short Delay Time	Typical Trip Unit I
Digitrip RMS 310 Rating Plug	Short Delay
Cat.	Pickup ×Ir
In Push to Trip	3 2 5 6 2 8 7
	Digitrip BMS 310 Trip Unit

Ampere Rating (I _n)	Туре	Catalog Number	Short Delay Pickup Range Amperes
400	Fixed	4KES 400T	800 - 3200
350	Fixed	4KES 350T	700 - 2800
300	Fixed	4KES 300T	600 - 2400
250	Fixed	4KES 250T	500 - 2000
225	Fixed	4KES 225T	450 - 1800
200	Fixed	4KES 200T	400 - 1600
200, 250, 300, 400	Adjustable	A4KES 400T1	400 - 3200
200, 250, 300, 400	Adjustable	A4KES 400T3	500 - 3200

	UL/CSA rms	UL/CSA rms Sym. kA, 50/60 Hz			
Breaker Type	240V	480V	600V		
KDC	200	100	50		
		IEC 60947-2 rms Sym. kA, 50/60 Hz			
	IEC 60947-2	rms Sym. kA,	50/60 Hz		
Breaker Type	240V	rms Sym. kA, 380V	50/60 Hz 415V		

 $|\mathbf{l_r}|$ = Continuous Current Setting or Rating Plug Value, $\mathbf{l_s}$ = Current Sensor Frame Rating, I_n = Rating Plug Value, I_g = Unit of Ground Current, I_i = Instantaneous Override Pickup.

Digitrip BMS 310 trip units are suitable for functional field testing with test kit Cat. No.STK2 For field testing using primary injection methods, follow NEMA publication AB-4.

There is a memory effect that can act to shorten the long delay. The memory effect comes into play if a current above the long delay pickup value exists for a time and then is cleared by the tripping of a downstream device or the circuit breaker itself. A subsequent overload will cause the circuit breaker to trip in shorter time than normal. The amount of time delay reduction is inverse to the amount of time that has elapsed since the previous overload. Approximately five minutes is required between overloads to completely reset the memory.

① Curve accuracy applies from -20°C to +55°C ambient. For possible continuous ampere derating for ambient above 40°C, refer to Eaton.

② For high fault current levels, a fixed instantaneous override is provided at 4000A

③ The end of the curve is determined by the interrupting rating of the circuit breaker. See above tabulation.

(4) Long Delay Pickup is 115% of In, +/- 5%



Figure 32. Series C Type KDC Circuit Breakers Equipped with Type KES Digitrip RMS 310 Trip Units, Types KES3400LS, KES3400LSG

- Legacy Product -



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Digitrip 310 Circuit Breaker Time/Current Curves (Phase Current) Series C K-Frame Circuit Breakers

Catalog Types: KES3400LSI, KES3400LSIG, Digitrip RMS 310 Trip Units for use with Circuit Breaker Type KDC, 400A. max.



Available Rating Plugs

Ampere Rating (I _n)	Туре	Catalog Number	Short Delay Pickup Range Amperes
400	Fixed	4KES 400T	800 - 3200
350	Fixed	4KES 350T	700 - 2800
300	Fixed	4KES 300T	600 - 2400
250	Fixed	4KES 250T	500 - 2000
225	Fixed	4KES 225T	450 - 1800
200	Fixed	4KES 200T	400 - 1600
200, 250, 300, 400	Adjustable	A4KES 400T1	400 - 3200
200, 250, 300, 400	Adjustable	A4KES 400T3	500 - 3200

Interrupting Rating

Interrupting Rati		Sym. kA, 50	/60 Hz
Breaker Type	240V	480V	600V
KDC	200	100	50
	IEC 60947-2	rms Sym. kA	, 50/60 Hz
Breaker Type	240V	380V	415V

Breaker Type	240V	380V	415V
KDC	200	100	100
Notes:			

 $\mathbf{I_r}$ = Continuous Current Setting or Rating Plug Value, $\mathbf{I_s}$ = Current Sensor Frame Rating, $\mathbf{I_n}$ = Rating Plug Value, $\mathbf{I_g}$ = Unit of Ground Current, $\mathbf{I_i}$ = Instantaneous Override Pickup.

Digitrip RMS 310 trip units are suitable for functional field testing with test kit Cat. No.STK2. For field testing using primary injection methods, follow NEMA publication AB-4

There is a memory effect that can act to shorten the long delay. The memory effect comes into They is a memory effect that can be to show the the forget general general the memory effect constraints in the play if a current above the long delay fickup value exists for a time and then is cleared by the tripping of a downstream device or the circuit breaker itself. A subsequent overload will cause the circuit breaker to trip in shorter time than normal. The amount of time delay reduction is inverse to the amount of time that has elapsed since the previous overload. Approximately five minutes is required between overloads to completely reset the memory.

- \bigodot Curve accuracy applies from –20°C to +55°C ambient. For possible continuous ampere derating for ambient above 40°C, refer to Eaton.
- O For high fault current levels, a fixed instantaneous override is provided at 4000A (Tolerance ±15%).

③ The end of the curve is determined by the interrupting rating of the circuit breaker. See above tabulation.

(4) Long Delay Pickup is 115% of In. +/- 5%



Figure 33. Series C Type KDC Circuit Breakers Equipped with Type KES Digitrip RMS 310 Trip Units, Types KES3400LSI, KES3400LSIG

– Legacy Product –



F:T-N

Digitrip 310 Circuit Breaker Time/Current Curves (Phase Current) Series C K-Frame Circuit Breakers

Catalog Types: KES3250LS, KES3250LSG Digitrip RMS 310 Units for use with Circuit Breaker Type KDC, 250A. max.

· Cl. + Dalay Ti

Fixed Short Delay Time	Тур	ical Trip Unit Nameplate
Digitrip RMS 310 Rating Plug Cat. In Push to Trip Engaged -	Short Delay Pickup κI_r $4 \xrightarrow{5} 6 7$ $2 \xrightarrow{5} 7$ Pickup RMC 230 Tein Link	TEST
Remove	Digitrip RMS 310 Trip Unit 40°C	

Available Rating Plugs

Ampere Rating (I _n)	Туре	Catalog Number	Short Delay Pickup Range Amperes
250	Fixed	2KES 250T	250 - 1000
225	Fixed	2KES 225T	220 - 880
200	Fixed	2KES 200T	200 - 800
175	Fixed	2KES 175T	180 - 720
150	Fixed	2KES 150T	140 - 560
125	Fixed	2KES 125T	250 - 1000
125, 150, 200, 2	250 Adjustable	A2KES 250T1	250 - 2000

Interrupting Rating

	UL/CSA rms	UL/CSA rms Sym. kA, 50/60 Hz			
Breaker Type	240V	480V	600V		
KDC	65	25			
			IEC 60947-2 rms Sym. kA, 50/60 Hz		
	IEC 60947-2	rms Sym. kA	, 50/60 Hz		
Breaker Type	IEC 60947-2 240V	rms Sym. kA, 380V	, 50/60 Hz 415V		

Notes:

 $\mathbf{I_r}$ = Continuous Current Setting or Rating Plug Value, $\mathbf{I_s}$ = Current Sensor Frame Rating, I_n = Rating Plug Value, I_g = Unit of Ground Current, I_i = Instantaneous Override Pickup.

Digitrip RMS 310 trip units are suitable for functional field testing with test kit Cat. No. STK2. For field testing using primary injection methods, follow NEMA publication AB-4

There is a memory effect that can act to shorten the long delay. The memory effect comes into play if a current above the long delay pickup value exists for a time and then is cleared by the tripping of a downstream device or the circuit breaker itself. A subsequent overload will cause the circuit breaker to trip in shorter time than normal. The amount of time delay reduction is inverse to the amount of time that has elapsed since the previous overload. Approximately five minutes is required head to the construction to the overlaw of the previous overload. required between overloads to completely reset the memory.

① Curve accuracy applies from -20°C to +55°C ambient. For possible continuous ampere derating for ambient above 40°C, refer to Eaton.

② For high fault current levels, a fixed instantaneous override is provided at 4000A (Tolerance ±15%).

③ The end of the curve is determined by the interrupting rating of the circuit breaker. See above tabulation.

(4) Long Delay Pickup is 115% of In, +/- 5%.



Figure 34. Series CType KDC Circuit Breakers Equipped with Type KES Digitrip RMS 310 Trip Units, Types KES3250LS, KES3250LSG

Time Current Curves **TD012034EN** Effective September 2015



Figure 35. Series C Type KDC Circuit Breakers Equipped with Type KES Digitrip RMS 310 Trip Units, Types KES3250LSI, KES3250LSIG

Typical Trip Unit Nameplate

Short Delay

Amperes

250 - 1000

220 - 880

200 - 800

180 - 720

140 - 560

140-1000

600V

415V

480V

100

380V

Pickup Range

TEST

– Legacy Product –



Figure 26. Series C Type KDC Circuit Breakers Equipped with Type KES Digitrip RMS 310 Trip Units, Types KES3125LS, KES3125LSG

00,00

Interrupting

Rating Determines End of

Curve 3

240 Vac

600 Vac

20,000 30.00C 40,00C 50.000

480 Vac



F-T-N

Digitrip 310 Circuit Breaker Time/Current Curves (Phase Current)

Series C K-Frame Circuit Breakers

Catalog Types: KES3125LSI, KES3125LSIG Digitrip RMS 310 Trip Units for use with Circuit Breaker Type KDC, 125A. max.

djustable Short Delay Time		Typical Trip Unit Nameplat
Digitrip RMS 310 Rating Plug	Short Delay	,
Cat. In Push to Trip Engaged -	Pickup $\approx I_r$ Time \cdot ms $4 \oint_{2}^{5} 6 200 300$ $3 \oint_{2}^{6} 7 100 \oint_{8}^{7}$	TEST
Bernove	Digitrip RMS 310 Trip Unit 40°C	

Available Rating Plugs

Ampere Rating (I _n)	Туре	Catalog Number	Short Delay Pickup Range Amperes
125	Fixed	1KES 125T	250 - 1000
110	Fixed	1KES 110T	220 - 880
100	Fixed	1KES 100T	200 - 800
90	Fixed	1KES 90T	180 - 720
70	Fixed	1KES 70T	140 - 560
70, 90, 100, 125	5 Adjustable	A1KES 125T1	140- 1000

Intomunting Doting

Interrupting Rati	UL/CSA rms	Sym. kA, 50	/60 Hz
Breaker Type	240V	480V	600V
KDC	200	100	50
	IEC 60947-2	rms Sym. kA,	50/60 Hz
Breaker Type	240V	380V	415V

200 100 Notes:

 $\mathbf{I_r}$ = Continuous Current Setting or Rating Plug Value, $\mathbf{I_s}$ = Current Sensor Frame Rating, $\mathbf{I_n}$ = Rating Plug Value, $\mathbf{I_g}$ = Unit of Ground Current, $\mathbf{I_i}$ = Instantaneous Override Pickup.

Digitrip RMS 310 trip units are suitable for functional field testing with test kit Cat. No. STK2. For field testing using primary injection methods, follow NEMA publication AB-4.

There is a memory effect that can act to shorten the long delay. The memory effect comes into play if a current above the long delay pickup value exists for a time and then is cleared by the tripping of a downstream device or the circuit breaker itself. A subsequent overload will cause the circuit breaker to trip in shorter time than normal. The amount of time delay reduction is inverse to the amount of time that has elapsed since the previous overload. Approximately five minutes is required between overloads to completely reset the memory.

- \bigoplus Curve accuracy applies from –20°C to +55°C ambient. For possible continuous ampere derating for ambient above 40°C, refer to Eaton.
- ② For high fault current levels, a fixed instantaneous override is provided at 3000A (Tolerance ±15%)
- ③ The end of the curve is determined by the interrupting rating of the circuit breaker See above tabulation.

4 Long Delay Pickup is 115% of In, +/- 5%.



Figure 37. Series CType KDC Circuit Breakers Equipped with Type KES Digitrip RMS 310 Trip Units, Types KES3125LSI, KES3125LSIG

- Legacy Product -



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Digitrip 310 Circuit Breaker Time/Current Curves (Ground Current) Series C K-Frame Circuit Breakers

Catalog Types: Type Digitrip RMS 310 Trip Unit for use with Circuit Breaker Types KDB,

CKDB, HKDB, CHKDB, KD, HKD, KDC, CKD, and CHKD For use with Trip Unit Catalog Numbers

KES3400LSG KES3400LSIG



Notes:

 $I_r =$ Continuous Current Setting or Rating Plug Value, $I_s =$ Current Sensor Frame Rating, $I_n =$ Rating Plug Value, $I_g =$ Unit of Ground Current, $I_i =$ Instantaneous Override Pickup.

Curve accuracy applies from -20°C to $+55^\circ\text{C}$ ambient. For possible continuous ampere derating for ambient above 40°C, refer to Eaton.

Digitrip RMS 310 trip units are suitable for functional field testing with test kit Cat. No. STK2. For field testing using primary injection methods, follow NEMA publication AB-4.

Figure 38. Series C Type KDC Circuit Breakers Equipped with Type KES Digitrip RMS 310 Trip Units, Ground Fault Protection (KES3400LSG, KES3400LSIG)

Time Current Curves TD012034EN Effective September 2015





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Digitrip 310 Circuit Breaker Time/Current Curves (Ground Current) Series C K-Frame Circuit Breakers

Type Digitrip RMS 310 Trip Unit for use with Circuit Breaker Types KDB, CKDB, HKDB, CHKDB

KD, HKD, KDC, CKD, and CHKD

For use with Trip Unit Catalog Numbers KES3250LSG

KES3250LSIG



Notes:

 l_{r} = Continuous Current Setting or Rating Plug Value, l_{s} = Current Sensor Frame Rating, l_{n} = Rating Plug Value, l_{g} = Unit of Ground Current, l_{i} = Instantaneous Override Pickup.

Curve accuracy applies from –20°C to +55°C ambient. For possible continuous ampere derating for ambient above 40°C, refer to Eaton.

Digitrip RMS 310 trip units are suitable for functional field testing with test kit Cat. No. STK2. For field testing using primary injection methods, follow NEMA publication AB-4.



- Legacy Product -



F-T-N

Digitrip 310 Circuit Breaker Time/Current Curves (Ground Current) Series C K-Frame Circuit Breakers

Type Digitrip RMS 310 Trip Unit for use with Circuit Breaker Types KD, HKD, KDC, CKD, and CHKD

For use with Trip Unit Catalog Numbers KES3125LSG

KES3125LSG KES3125LSIG



Notes:

 $\begin{array}{l} I_{p} = \mbox{Continuous Current Setting or Rating Plug Value, } I_{g} = \mbox{Current Sensor Frame Rating,} \\ I_{n} = \mbox{Rating Plug Value, } I_{g} = \mbox{Unit of Ground Current, } I_{i} = \mbox{Instantaneous Override Pickup.} \end{array}$

Curve accuracy applies from –20°C to +55°C ambient. For possible continuous ampere derating for ambient above 40°C, refer to Eaton.

Digitrip RMS 310 trip units are suitable for functional field testing with test kit Cat. No. STK2. For field testing using primary injection methods, follow NEMA publication AB-4.



Time Current Curves TD012034EN Effective September 2015

- Legacy Product -



F-T-N

Circuit BreakerTime/Current Curves (Phase Current)

Series C – Type KS Circuit Breakers

Catalog Types: KS3400T, KS3400TG, KS Trip Units for use with Circuit Breaker Type KDC, 400A. max

Fixed Short Delay Time	Typical Trip U	nit Nameplate
Cat. Push to Trip Engaged -	Short Delay Pickup 4 5 6 3 2 8 7 2 8 7 rip Unit - Cat. KS3400T - 40 C Ambieht	TEST

Available Rating Plugs

Туре	Catalog Number	Short Delay Pickup Range Amperes
Fixed	4KS 400T	800 - 3200
Fixed	4KS 350T	700 - 2800
Fixed	4KS 300T	600 - 2400
Fixed	4KS 250T	500 - 2000
Fixed	4KS 225T	450 - 2000
Fixed	4KS 200T	400 - 1600
Adjustable	A4KS 400T1	400 - 3200
Adjustable	A4KS 400T3	500 - 3200
	Fixed Fixed Fixed Fixed Fixed Fixed Adjustable	Type Number Fixed 4KS 400T Fixed 4KS 350T Fixed 4KS 300T Fixed 4KS 250T Fixed 4KS 250T Fixed 4KS 20T Fixed 4KS 20T Fixed 4KS 20T Fixed 4KS 20T Adjustable A4KS 400T1

Interrupting Rating

	UL/CSA rms Sym. kA, 50/60 Hz			
Breaker Type	240V	480V	600V	
KDC	200	100	50	
	IEC 60947-2	rms Svm. kA	50/60 Hz	
Breaker Type	240V	380V	415V	

 \bigoplus Curve accuracy applies from –20°C to +55°C ambient. For possible continuous ampere derating for ambient above 40°C, refer to Eaton.

② For high fault current levels, a fixed instantaneous override is provided at 4000A (Tolerance ±15%).

3 The end of the curve is determined by the interrupting rating of the circuit breaker. See above tabulation.

(4) KS trip units are suitable for functional field testing with test kit Cat. No. STK2. For field testing using primary injection methods, follow NEMA publication AB-4.



Figure 41. KS Electronic Trip Unit Type KDC - Curve Number SC-4156-87A, 1987

Series C K-Frame

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