

HSRK

HIGH SPEED/CLASS RK1

**HIGHLIGHTS:**

- Current Limiting
- Low I²t
- Drive protection in larger RK body sizes for older installations
- Fast acting

**APPLICATIONS:**

- Branch circuits
- AC drives
- Solid state controllers
- Feeder circuits
- Arc flash mitigation

HIGH SPEED RK1 (HSRK)

Protect your electrical power wiring and power semiconductor with a single fuse.

The new HIGH SPEED RK1 (HSRK) combines semiconductor fuse performance with NEC branch circuit compliance. The fuse was designed with two specific applications in mind:

1. To provide semiconductor fuse performance to solid state drive applications but in the larger RK body sizes that have been typically installed in older systems.
2. To provide industrial power applications with the most current limiting fuse available, which in turn provides the best arc flash mitigation available to power systems using the larger RK size fuses.

B

Features/Benefits

- Most current limiting RK1 available
- Provides the best Arc flash mitigation for feeder and branch circuits (non motor load circuits)
- Excellent cycling ability for frequent drive starts and stops without nuisance opening
- Extremely Low I²t

Ratings

- AC: (70 to 600A)
600VAC, 200KA I.R.
- 300KA I.R. Self certified

Approvals**HSRK (70 TO 600A)**

- UL listed to 248-12
File E2137
- CSA certified to
C22.2 - No. 248.12

HIGH SPEED/CLASS RK1

HSRK

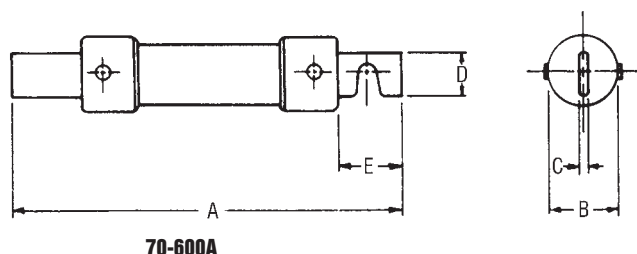
Standard Fuse Ampere Ratings, Catalog Numbers

Ampere Rating	Catalog # 600V	Ampere Rating	Catalog # 600V
70	HSRK70R	200	HSRK200R
80	HSRK80R	225	HSRK225R
90	HSRK90R	250	HSRK250R
100	HSRK100R	300	HSRK300R
110	HSRK110R	350	HSRK350R
125	HSRK125R	400	HSRK400R
150	HSRK150R	450	HSRK450R
175	HSRK175R	500	HSRK500R
		600	HSRK600R

Recommended Fuse Blocks With Box Connectors For Amp-trap® Class RK1 Fuses

Fuse Ampere Rating	Catalog Number 600V	
	1 pole	3 pole
61-100	61036R	61038R
101-200	62001R	62003R
201-400	64001R	64003R
401-600	6631R	6633R

A variety of pole configurations and termination provisions are available. Refer to the fuse block section of this catalog for details.



Dimensions

AMPERE RATING	A		B		C		D		E	
	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm
600V-HSRK FUSES										
61-100	7-7/8	200	1-5/16	34	1/8	3	3/4	19	1	25
101-200	9-5/8	244	1-13/16	46	3/16	5	1-1/8	28	1-3/8	35
201-400	11-5/8	295	2-9/16	66	1/4	6	1-5/8	41	1-7/8	48
401-600	13-3/8	340	3-1/8	80	1/4	6	2	51	2-1/4	57

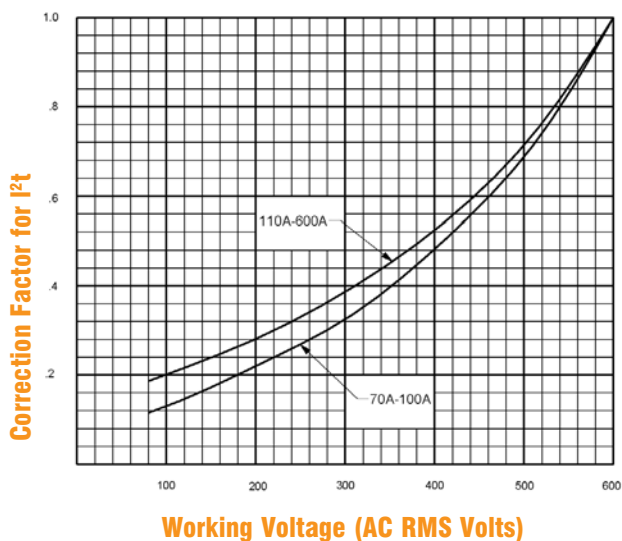
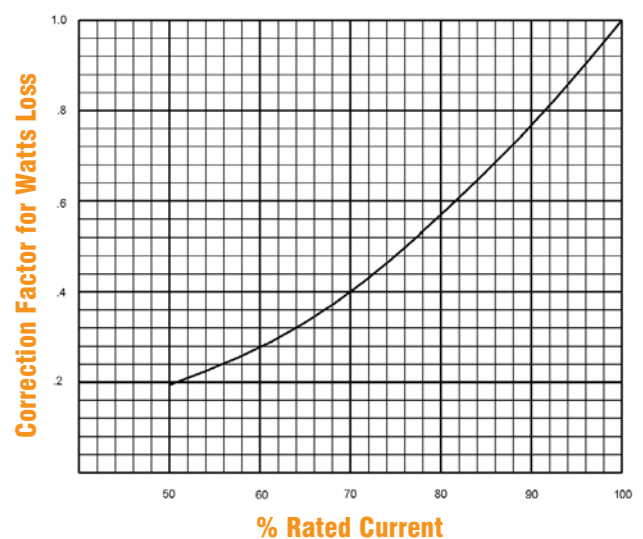
HIGH SPEED/CLASS RK1

HSRK

I²t Data HSRK (Amp Rating)R

Ampere Rating (A)	Pre-arc (A ² s X 10 ³)	Max Clearing I ² t @ 600V AC
		(A ² s X 10 ³)
70	1.2	14
80	1.6	17
90	2.3	24
100	2.7	26
110	2.3	23
125	3.4	32
150	5.1	45
175	8.0	65
200	14	100
225	14	110
250	16	130
300	26	200
350	37	290
400	63	450
450	67	500
500	98	600
600	141	900

B

I²t vs Working Voltage**Watts Loss vs % Rated Current**

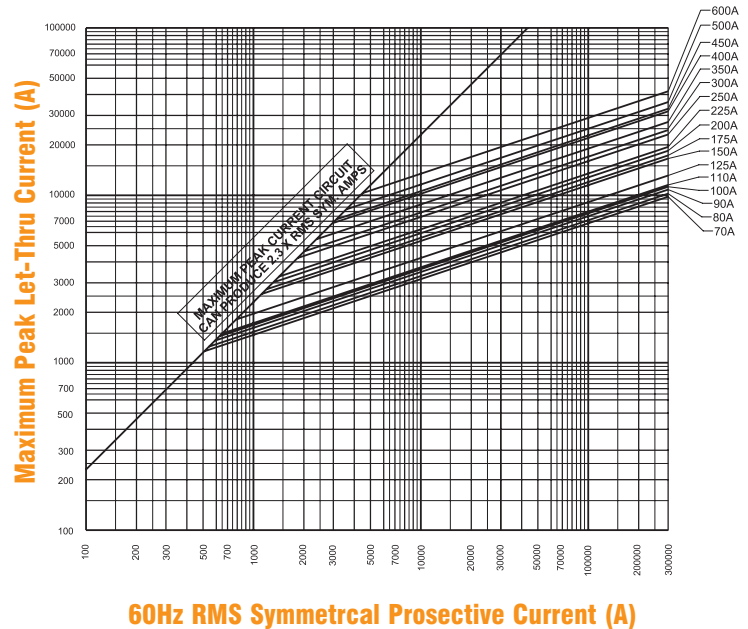
HIGH SPEED/CLASS RK1

HSRK

Watts Loss Data HSRK70 — 600R, 600V AC

Ampere Rating (A)	Watts Loss at Rated Current
70	10
80	11
90	13
100	14
110	18
125	19
150	25
175	26
200	27
225	35
250	43
300	45
350	47
400	53
450	62
500	63
600	83

Peak Let-Thru Data HSRK70 — 600R, 600V AC



Melting Time — Current Data HSRK70 — 600R, 600V AC

