Low-Peak™ 250V Class RK1

LPN-RK — 250Vac/dc, 70-600A, Dual Element, Time-Delay Fuses

Available with easyID™
open fuse indication

Description: Ultimate protection Class RK1 dual element, current-limiting, time-delay fuses available with optional open fuse indication.

Catalog Symbols: LPN-RK-(amp)SP (non-indicating)
LPN-RK-(amp)SPI (indicating)

Ratings:

Volts — 250Vac/dc

Amps — 70-600A

IR — 300kA Vac RMS Sym.
— 100kA Vdc

Agency Information:

CE, UL Listed, Guide JDDZ, File E4273
CSA Certified, Class 1422-02, File 53787,
Class RK1 per CSA C22.2 No. 248.12

Catalog Numbers (amps) — Non-indicating Fuses*

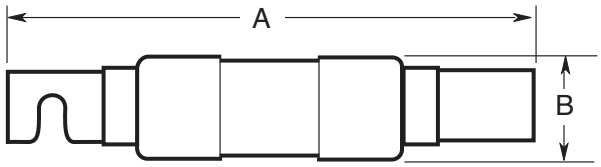
LPN-RK-70SP	LPN-RK-150SP	LPN-RK-350SP
LPN-RK-80SP	LPN-RK-175SP	LPN-RK-400SP
LPN-RK-90SP	LPN-RK-200SP	LPN-RK-450SP
LPN-RK-100SP	LPN-RK-225SP	LPN-RK-500SP
LPN-RK-110SP	LPN-RK-250SP	LPN-RK-600SP
LPN-RK-125SP	LPN-RK-300SP	

* Open fuse indication available on all part numbers by inserting the suffix "I," e.g., LPN-RK-90SP**I.** Requires 75Vac minimum voltage.

Carton Quantity and Weight

Amp Rating	Carton Qty.
70–100	5
110–200	1
225–400	1
450–600	1

Dimensions - in



Amp Rating	A	B
70-100	5.88 (± 0.062)	1.10 (± 0.02)
110-200	7.13 (± 0.062)	1.61 (± 0.02)
225-400	8.63 (± 0.094)	2.36 (± 0.02)
450-600	10.38 (± 0.094)	2.88 (± 0.02)

Features:

- Industry's only UL Listed and CSA Certified fuse with a 300kA Vac interrupting rating that exceeds requirements for virtually all applications
- Fast short-circuit protection provides optimal arc flash protection to reduce hazard to personnel
- Easy selective coordination with all Low-Peak fuses using simple 2:1 ampacity ratio
- Current-limiting for maximum short-circuit protection
- "No damage" Type "2" protection for IEC and NEMA motor starters when properly sized
- High in-rush current motor protection
- Time-delay that permits 130% FLA sizing for back-up motor protection
- Provides protection against single-phase motor damage
- Low watt loss power consumption
- Electrically isolated end caps for added safety

Applications:

- Feeder and Branch Circuits
- Motors
- General Purpose Circuits
- Transformers
- Solenoids

Recommended Fuse Blocks

Fuse Amps	1-Pole	2-Pole	3-Pole
70-100	RM25100-1CR	RM25100-2CR	RM25100-3CR
110-200	RM25200-1CR	RM25200-2CR	RM25200-3CR
225-400	RM25400-1CR	RM25400-2CR	RM25400-3CR
450-600	RM25600-1CR	RM25600-2CR	RM25600-3CR

For additional information on the RM Series of 250 volt fuse blocks, see product brochure # 3192.

Fuse Reducers For Class R Fuses

Equipment Fuse Clips	Desired Fuse (Case) Size	Catalog Numbers (Pairs) 250V
200A	100A	NO.2621-R
400A	100A	NO.2641-R
	200A	NO.642-R
600A	100A	NO.2661-R
	200A	NO.2662-R
	400A	NO.2664-R†

† Single reducer only (pair not required).

For additional information on Class R fuse reducers, see Data Sheet # 1118.

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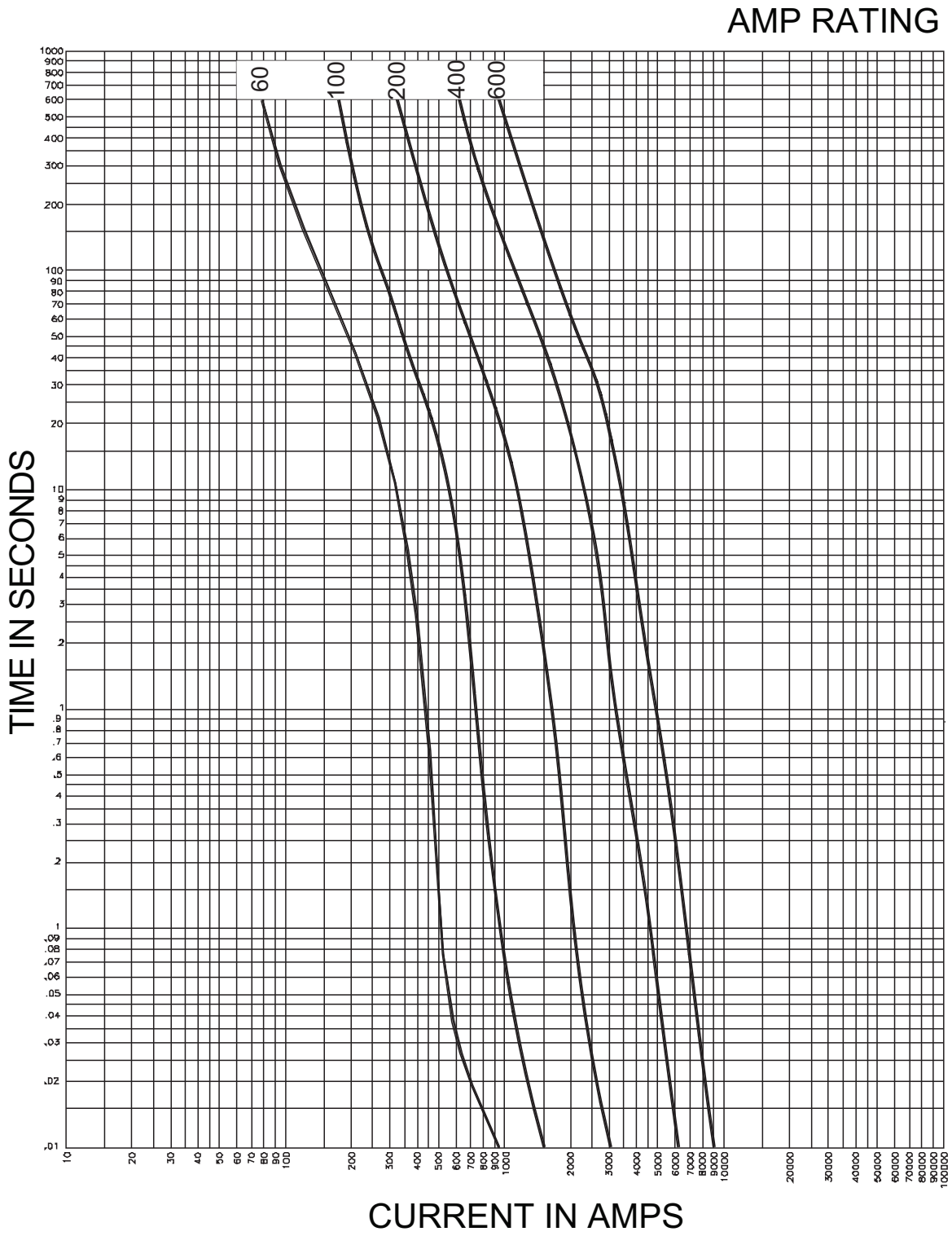
Time-Current Curves - Average Melt



NOTE: 60 Amp fuse curve is ferrule style and included to show only relative performance. For actual 60 amp time-current curve performance, see Data Sheet 1003.

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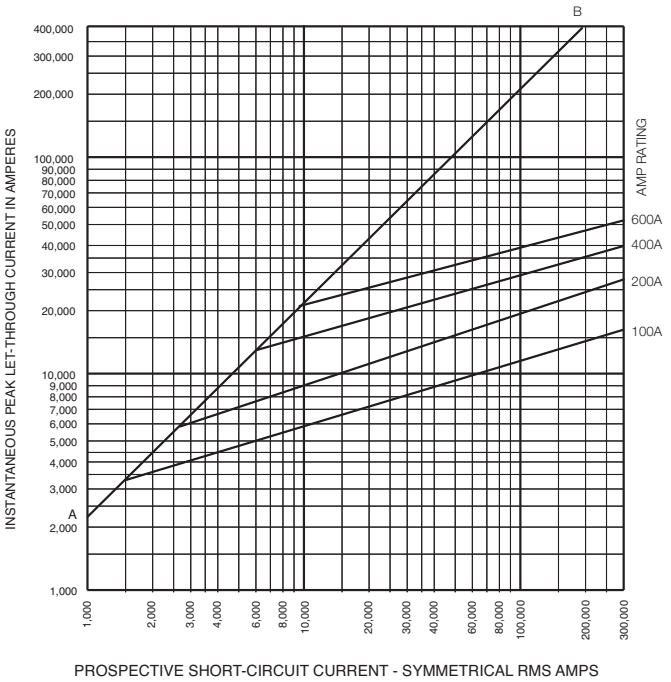
Current-Limitation Curves



Current-Limiting Effects

Prosp. S.C.C.	Let-Through Current (Apparent RMS Symmetrical Vs. Fuse Rating)			
—	100A	200A	400A	600A
1000	1000	1000	1000	1000
2000	2000	2000	2000	2000
3000	2000	3000	3000	3000
5000	2000	3000	5000	5000
10,000	3000	4000	7000	9000
15,000	3000	5000	8000	11,000
20,000	3000	5000	8000	11,000
25,000	3000	5000	9000	12,000
30,000	4000	6000	9000	12,000
35,000	4000	6000	10,000	13,000
40,000	4000	6000	10,000	13,000
50,000	4000	7000	11,000	14,000
60,000	4000	7000	11,000	16,000
70,000	4000	7000	12,000	16,000
80,000	5000	8000	12,000	16,000
90,000	5000	7000	13,000	17,000
100,000	5000	8000	13,000	17,000
150,000	6000	9000	15,000	19,000
200,000	6000	11,000	16,000	20,000
250,000	7000	11,000	17,000	21,000
300,000	7000	12,000	18,000	22,000