

# LOW-PEAK™

## Dual-Element, Time-Delay Fuses

### Class RK1 — 600 Vac/300 Vdc

**LPS-RK**  
**70-600A**



**Catalog Symbol:** LPS-RK\_SP (600V)

**Ampere Rating:** 70 to 600A

**Ratings:**

Volts — 600Vac (or less)

— 300Vdc (or less)

Amps — 70-600A

IR — 300kA RMS Sym.

— 100kA DC

**Agency Information:**

CE, UL Listed-Special Purpose\*\*, Guide JFHR, File E56412

CSA Certified, (200k AIR) Class 1422-02, File 53787,

Class RK1 per CSA C22.2 No. 248.12

**Catalog Numbers**

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

Available with tin plate option. Add suffix "-TP". (Ex.: LPS-RK-100SP-TP)

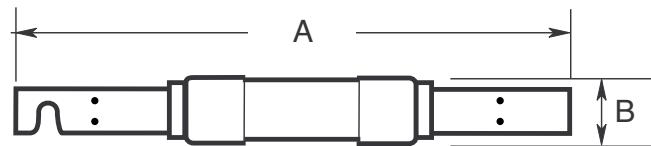
**Carton Quantity and Weight—LPS-RK (600Vac)**

Amp Ratings	Carton Qty.	Weight*	
		Lbs.	Kg.
70-100	1	2.20	1.0
110-200	1	1.10	0.5
225-400	1	2.36	1.1
450-600	1	3.44	1.5

\*Weight per carton.

\*\* Meets all performance requirements of UL Standard 248-12 for Class RK1 fuses.

**Dimensional Data**



**Dimensions (inches)**

Ampere Ratings	"A"	"B"
70-100	7.88 ( $\pm 0.062$ )	1.11 ( $\pm 0.020$ )
110-200	9.63 ( $\pm 0.062$ )	1.61 ( $\pm 0.020$ )
225-400	11.63 ( $\pm 0.094$ )	2.36 ( $\pm 0.020$ )
450-600	13.38 ( $\pm 0.094$ )	2.88 ( $\pm 0.020$ )

**Features:**

- Current-limitation for maximum short-circuit protection and reduced arc flash hazard.
- Type 2 protection for IEC and NEMA starters when properly sized.
- High inrush current motor protection.
- Time-delay permits 130% FLA sizing for back-up motor overload protection, and single-phasing protection.
- Low watt loss power consumption.
- Electrically isolated end caps.
- 300Vdc, UL Listed.

**Applications:**

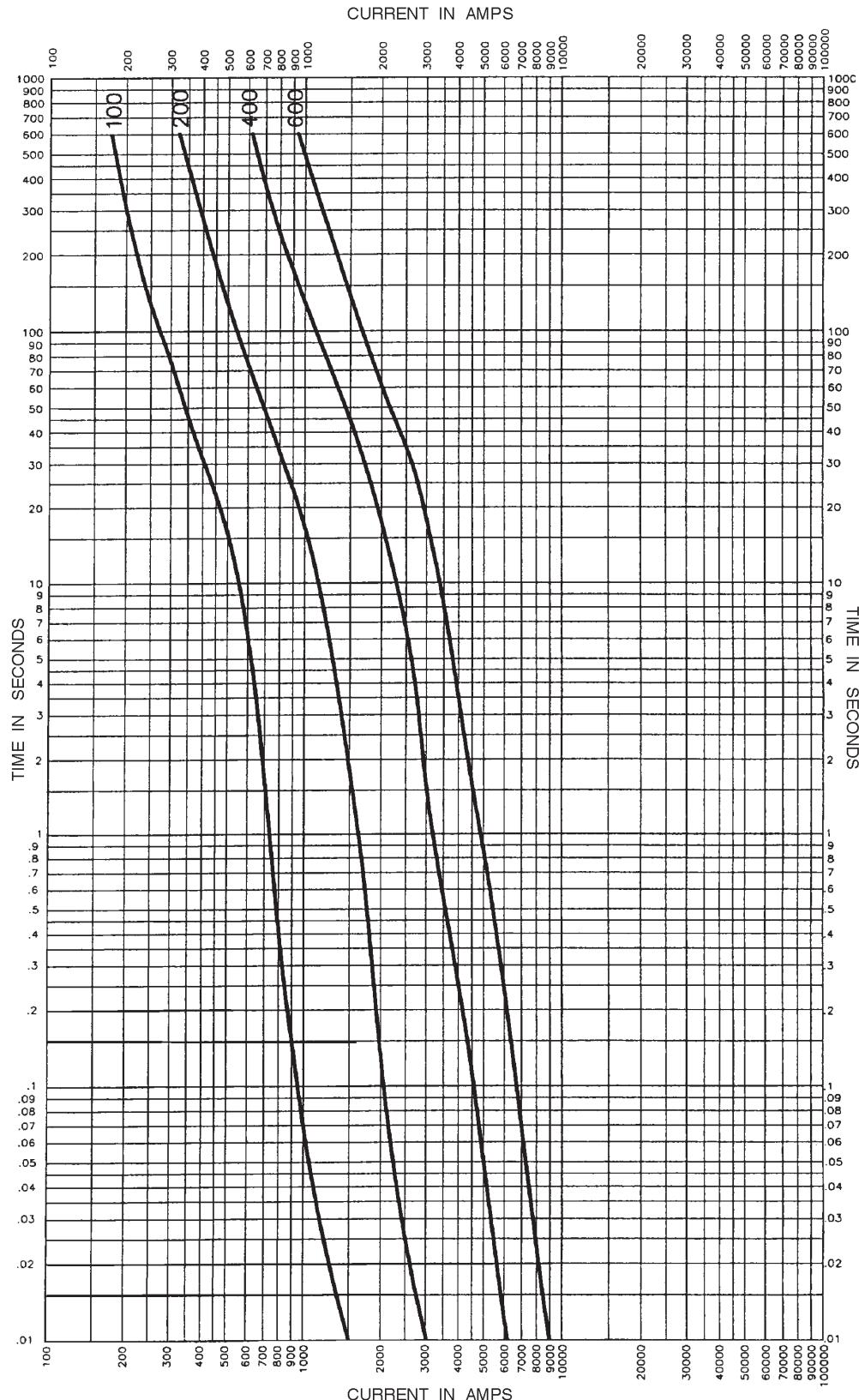
- Branch distribution
- Motors
- Transformers
- Solenoids
- General purpose circuits

**Fuse Blocks**

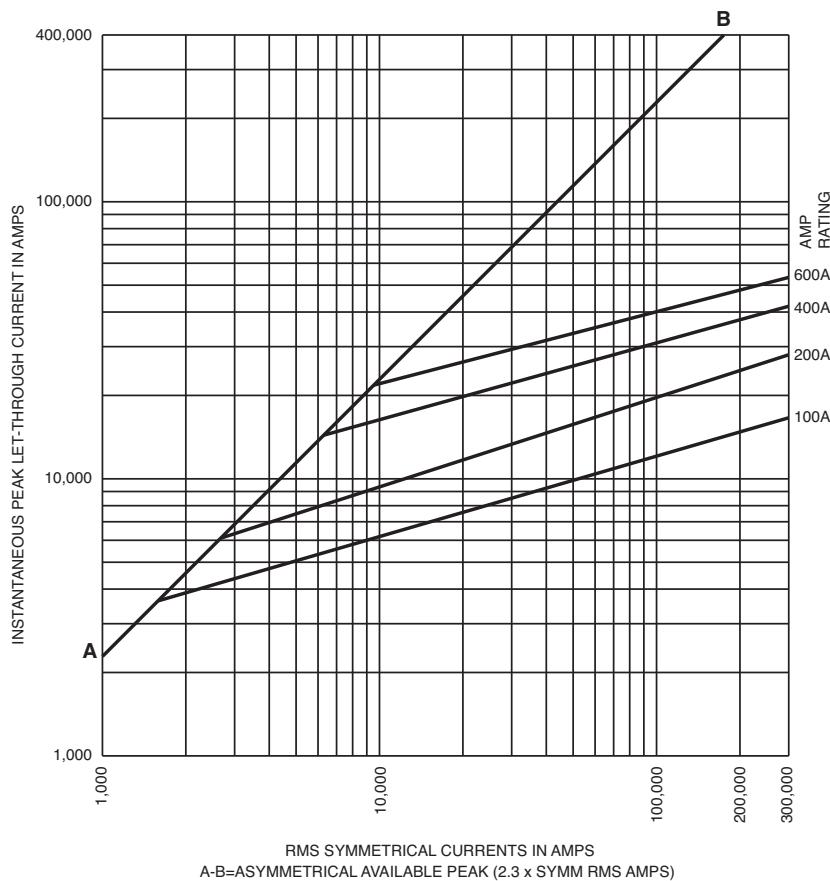
	1-Pole	2-Pole	3-Pole
100 Amp Case			
Box Lug	RM60100-1CR	RM60100-2CR	RM60100-3CR
200 Amp Case			
Box Lug	RM60200-1CR	RM60200-2CR	RM60200-3CR
400 Amp Case			
Box Lug	RM60400-1CR	RM60400-2CR	RM60400-3CR
600 Amp Case			
Box Lug	RM60600-1CR	RM60600-2CR	RM60100-3CR

For additional information on the RM600 series fuse blocks, refer to data sheet 1111.

## Time-Current Characteristic Average Melt



## Current-Limitation Curves



## Current-Limiting Effects

Pros. S.C.C. Let-Through Current (Apparent RMS Symmetrical) Versus Fuse Rating

	100A	200A	400A	600A
5,000	2,200	3,250	5,000	5,000
10,000	2,700	4,100	7,150	9,600
15,000	3,050	4,650	7,950	10,650
20,000	3,300	5,100	8,650	11,500
25,000	3,500	5,500	9,200	12,200
30,000	3,700	5,800	9,650	12,750
35,000	3,900	6,100	10,100	13,300
40,000	4,050	6,400	10,450	13,750
50,000	4,300	6,850	11,100	14,600
60,000	4,550	7,250	11,700	15,300
80,000	4,950	7,950	12,650	16,450
100,000	5,250	8,550	13,450	17,450
150,000	5,900	9,750	15,050	19,400
200,000	6,450	10,700	16,300	20,900
250,000	6,850	11,500	17,350	22,100
300,000	7,250	12,200	18,250	23,200

\*Values derived from curve data.

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