

# LOW-PEAK®

## Dual-Element, Time-Delay Fuses Class RK1 — 600 Vac/300 Vdc

# LPS-RK\_SPI

## 70-600A



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

**Ampere Rating:** 70 to 600A

**Voltage Rating:**

ac: 600V (or less)

dc: 300V (or less)

**Interrupting Rating:**

ac: 300,000A RMS Sym.

dc: 100,000A

**Agency Information:**

UL Listed—Special Purpose\*\*, Guide JFHR, File E56412

CSA Certified, (200,000 AIR) Class 1422-02, File 53787,

Class RK1 per CSA C22.2 No. 248.12

**Catalog Numbers**

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

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

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

Ampere Ratings	Qty.	Carton		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)**

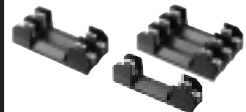
Ampere Ratings	"A"	"B"
70-100	7.88 (± 0.062)	1.11 (± 0.020)
110-200	9.63 (± 0.062)	1.61 (± 0.020)
225-400	11.63 (± 0.094)	2.36 (± 0.020)
450-600	13.38 (± 0.094)	2.88 (± 0.020)

**Features:**

- High degree of current-limitation for maximum short-circuit protection.
- Type 2 protection for IEC and NEMA starters when properly sized.
- Permanent replacement fuse indication.
- 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



**Recommended fuseblocks for Class R 600V fuses**  
See Data Sheet: 1111


**Fuse Reducers For Class R Fuses**

Equipment Fuse Clips	Desired Fuse (Case) Size	Catalog Number (Pairs) 600V
200A	100A	No. 2621-R
	100A	No. 2641-R
400A	200A	No. 642-R
	100A	No. 2661-R
600A	200A	No. 2662-R
	400A	No. 2664-R*

\*Single reducer only (pair not required).

For additional information, see Data Sheet: 1118.

CE CE logo denotes compliance with European Union Low Voltage Directive (50-1000Vac, 75-1500Vdc). Refer to Data Sheet: 8002 or contact Bussmann Application Engineering at 636-527-1270 for more information.



**For non-indicating version, the LPS-RK\_SP is available. See Data Sheet: 1002**

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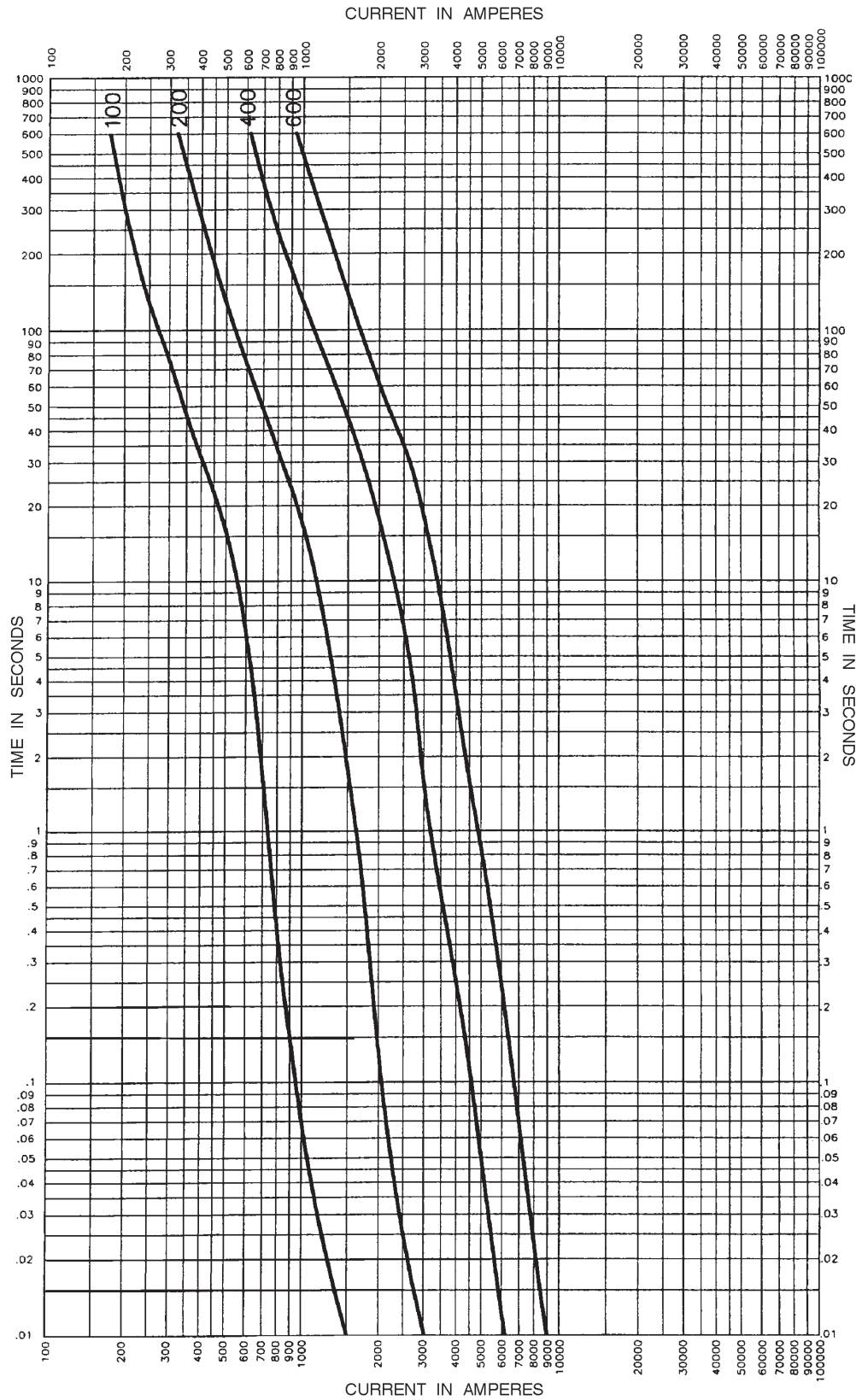
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### Time-Current Characteristic Average Melt



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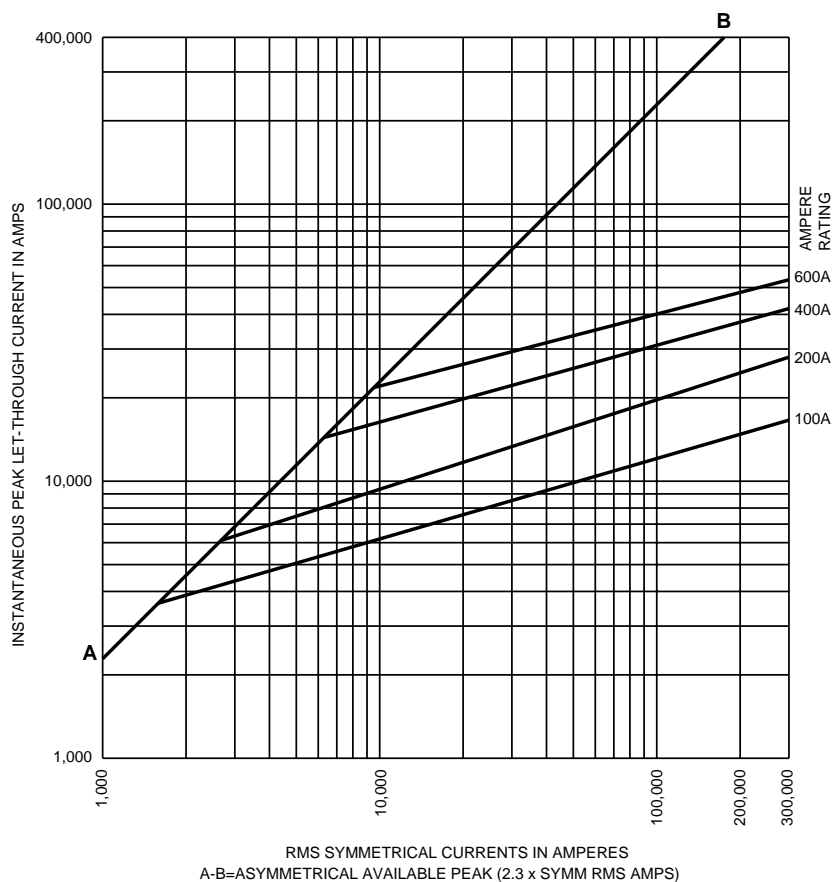
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### Current-Limitation Curves



### Current-Limiting Effects

Prosp. 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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