

# LOW-PEAK®

# LPN-RK

Dual-Element, Time-Delay Fuses  
Class RK1 – 250 Volt

1/10-60A



Catalog Symbol: LPN-RK\_SP  
Dual-Element, Time-Delay – 10 seconds (minimum) at 500% rated current (8 seconds for 0-30A sizes)  
Current-Limiting  
Ampere Rating: 1/10 to 60A  
Voltage Rating: 250Vac (or less)  
125Vdc (or less)

Interrupting Rating:  
AC: 300,000A RMS Sym.  
DC: 100,000 Amperes

Agency Information:  
UL Listed – Special Purpose\*, Guide JFHR, File E56412  
CSA Certified (200,000AIR), Class 1422-02, File 53787  
Class RK1 per CSA C22.2, No. 248.12

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

### Catalog Numbers

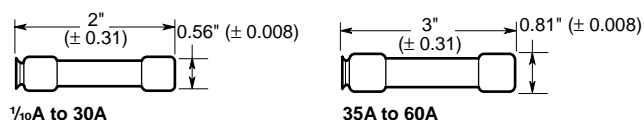
LPN-RK-1/10SP	LPN-RK-2SP	LPN-RK-9SP
LPN-RK-1/100SP	LPN-RK-2 1/4SP	LPN-RK-10SP
LPN-RK-2/10SP	LPN-RK-2 1/2SP	LPN-RK-12SP
LPN-RK-3/10SP	LPN-RK-2 3/4SP	LPN-RK-15SP
LPN-RK-4/10SP	LPN-RK-3SP	LPN-RK-17 1/2SP
LPN-RK-1/2SP	LPN-RK-3 1/4SP	LPN-RK-20SP
LPN-RK-5/10SP	LPN-RK-3 1/2SP	LPN-RK-25SP
LPN-RK-6/10SP	LPN-RK-4SP	LPN-RK-30SP
LPN-RK-1SP	LPN-RK-4 1/2SP	LPN-RK-35SP
LPN-RK-1 1/4SP	LPN-RK-5SP	LPN-RK-40SP
LPN-RK-1 1/2SP	LPN-RK-5 1/4SP	LPN-RK-45SP
LPN-RK-1 3/4SP	LPN-RK-6SP	LPN-RK-50SP
LPN-RK-1 6/10SP	LPN-RK-6 1/4SP	LPN-RK-60SP
LPN-RK-1 8/10SP	LPN-RK-8SP	—

### Carton Quantity and Weight

Ampere Ratings	Carton Qty.	Weight**	
		Lbs.	Kg.
0-30	10	0.5	0.227
35-60	10	1.2	0.544

\*\*Weight per carton.

### Dimensional Data

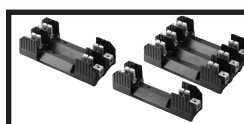


### Features:

- Current-limitation for maximum short-circuit protection.
- 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 protection.
- Protection against single-phase motor damage.
- Low watt loss power consumption.
- Electrically isolated end caps.
- 125Vdc, UL Listed.

### Fuse Reducers For Class R Fuses

Equipment Fuse Clips	Desired Fuse (Case) Size	Catalog Number (Pairs) 250V
60A	30A	No. 263-R
100A	30A	No. 213-R
	60A	No. 216-R
200A	60A	No. 226-R



Recommended fuseblocks for Class R 250V fuses  
See Data Sheet: 1110

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.

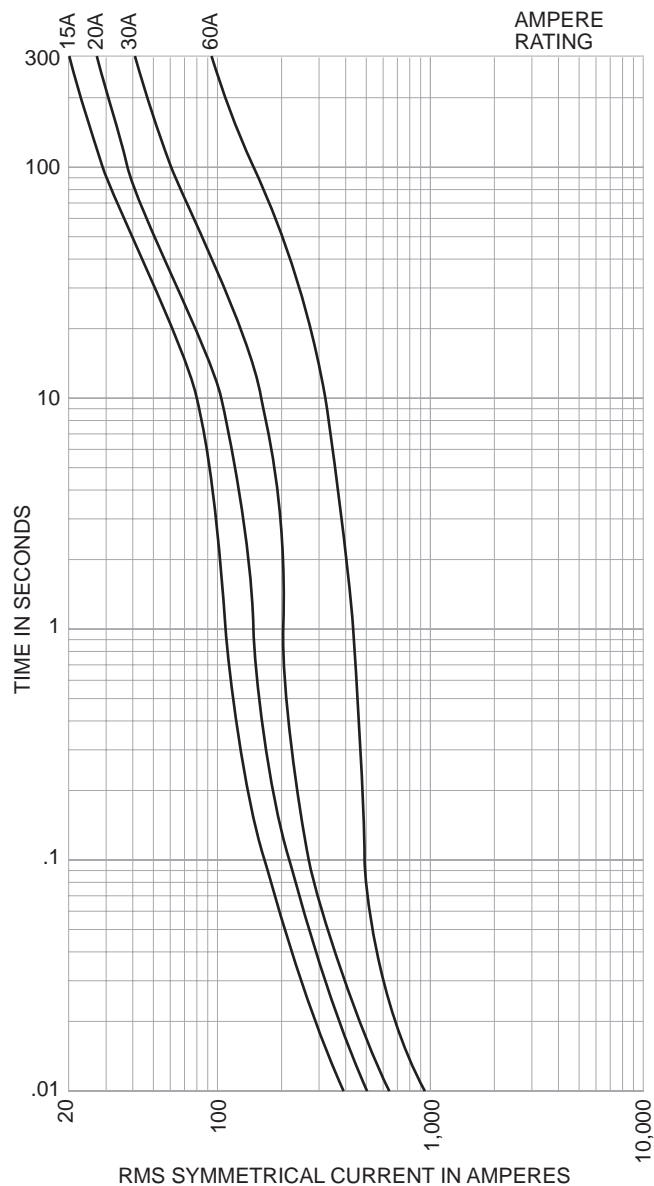
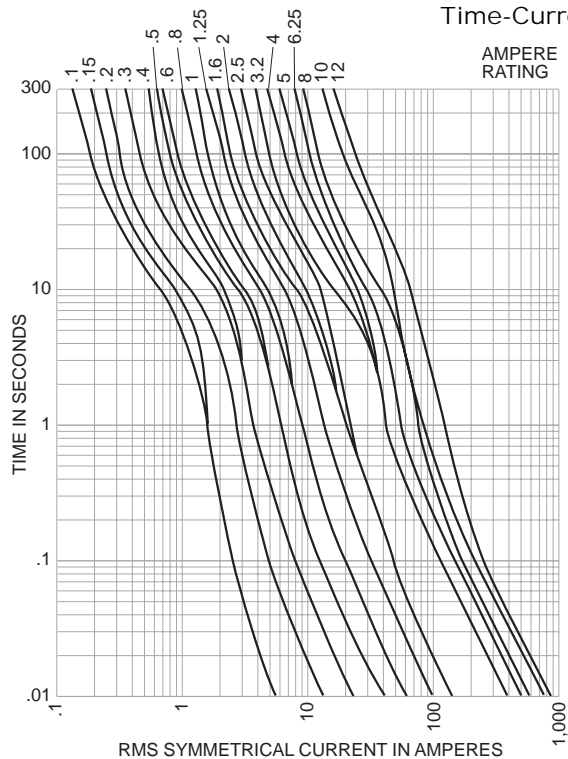
# LOW-PEAK®

# LPN-RK

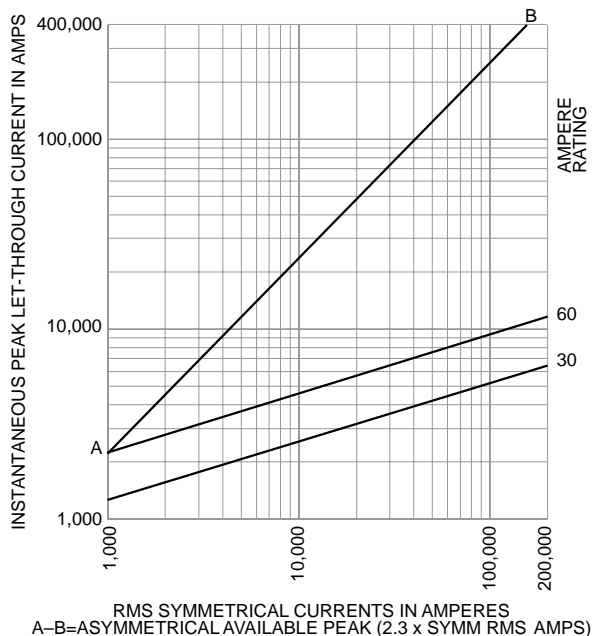
Dual-Element, Time-Delay Fuses  
Class RK1 – 250 Volt

1/10-60A

Time-Current Characteristic Curves—Average Melt



Current-Limitation Curves



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# Low-Peak® Dual-Element Time-Delay Fuses Class RK1 – 250 Volts AC/DC

LPN-RK  
70-600A



Catalog Symbol: LPN-RK\_SP  
Ampere Rating: 70 to 600A  
Voltage Ratings:  
ac: 250V (or less)  
dc: 250V (or less)  
Interrupting Ratings:  
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

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	—

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

### Carton Quantity and Weight—LPN-RK (250Vac)

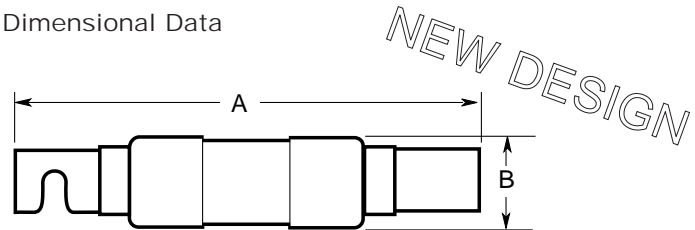
Ampere Ratings	Carton Qty.	Weight*	
		Lbs.	Kg.
70-100	5	1.9	0.9
110-200	1	0.9	0.4
225-400	1	2.0	0.9
450-600	1	3.0	1.4

\*Weight per carton.

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

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.

### Dimensional Data



### Dimensions (inches)

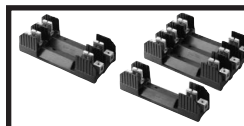
Ampere Ratings	"A"	"B"
70-100	5.88 (± 0.062)	1.10 (± 0.020)
110-200	7.13 (± 0.062)	1.61 (± 0.020)
225-400	8.63 (± 0.094)	2.36 (± 0.020)
450-600	10.38 (± 0.094)	2.88 (± 0.020)

### Features:

- Current limiting for maximum short-circuit protection.
- Type 2 protection for IEC and NEMA 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.
- 250Vdc, UL Listed.

### Applications:

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



Recommended fuseblocks for Class R 250V fuses  
See Data Sheet: 1110

### Fuse Reducers For Class R Fuses

Equipment Fuse Clips	Desired Fuse (Case) Size	Catalog Number (Pairs) 600V
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).

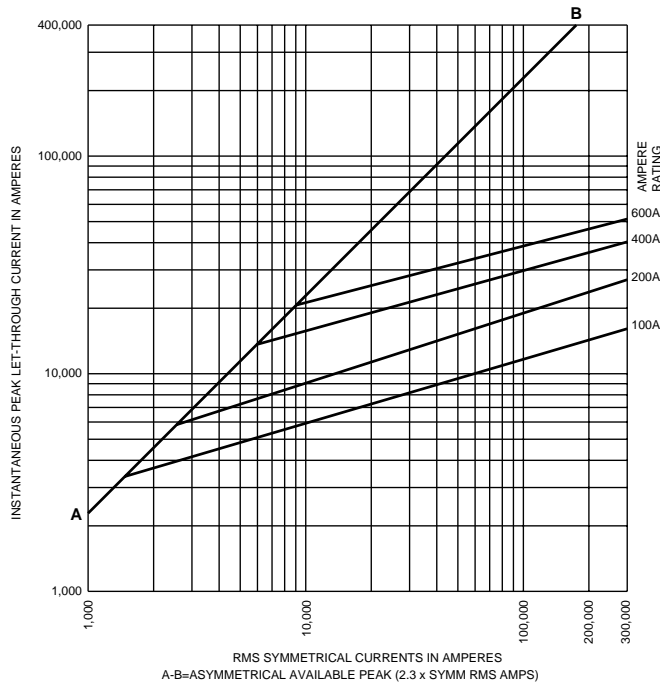
\*\*\*Reducer No. 2621-R does not apply to LPN-RK-70SP to LPN-RK-100SP Fuses.

For additional information, see Data Sheet: 1118.

# Low-Peak® Dual-Element Time-Delay Fuses Class RK1 – 250 Volts AC/DC

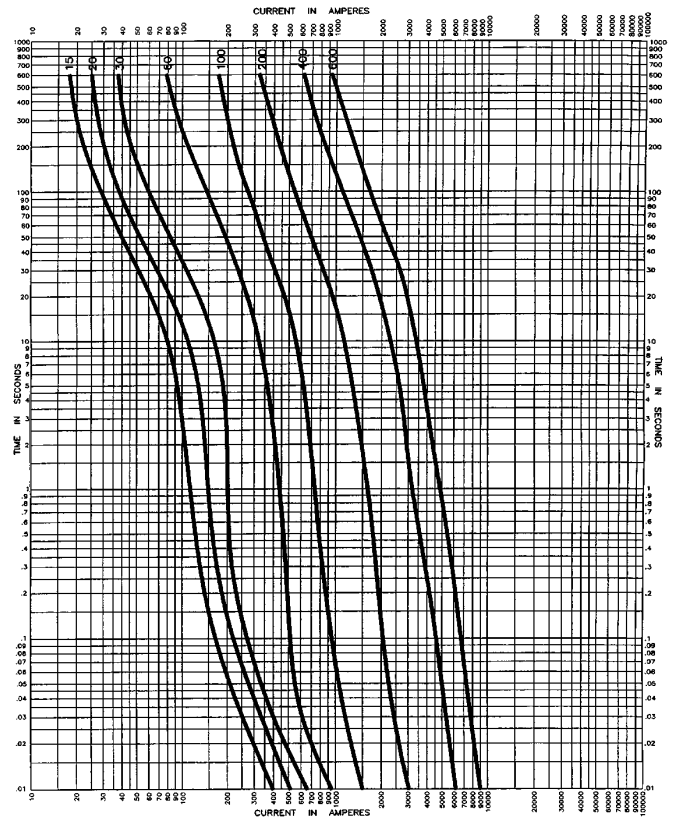
LPN-RK  
70-600A

## Current Limitation Curves



NEW DESIGN

Time-Current Characteristic Curves-Average Melt



## Current-Limiting Effects

Prospect S.C.C.	Let-Through Current (Apparent RMS Symmetrical) Versus Fuse Rating			
	100A	200A	400A	600A
5,000	2,100	3,150	5,000	5,000
10,000	2,600	3,950	6,900	9,250
15,000	2,950	4,500	7,650	10,250
20,000	3,200	4,900	8,350	11,050
25,000	3,350	5,300	8,850	11,750
30,000	3,550	5,600	9,300	12,250
35,000	3,750	5,850	9,700	12,800
40,000	3,900	6,150	10,050	13,250
50,000	4,150	6,600	10,700	14,050
60,000	4,400	7,000	11,250	14,750
80,000	4,750	7,650	12,200	15,850
100,000	5,050	8,250	12,950	16,800
150,000	5,700	9,400	14,500	18,650
200,000	6,200	10,300	15,700	20,100
250,000	6,600	11,050	16,700	21,250
300,000	7,000	11,750	17,550	22,350

\*Values derived from curve data

For information on the previous design LPN-RK 70-6009SP, see Data Sheet: 1048.

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# LOW-PEAK®

## Dual-Element, Time-Delay Fuses

### Class RK1 – 600 Volt

# LPS-RK

## 0-60 Amps



Catalog Symbol: LPS-RK\_SP  
 Dual-Element, Time-Delay – 10 seconds (minimum) at 500% rated current  
 Current-Limiting  
 Ampere Rating: 1/10 to 60A  
 Voltage Rating: 600Vac (or less)  
 300Vdc (or less)

Interrupting Rating:  
 ac: 300,000A RMS Sym.  
 dc: 100,000A

Agency Information:  
 UL Listed, Special Purpose\*\*, Guide JFHR, File E56412  
 CSA Certified, (200,000AIR), Class RK1 per CSA C22.2,  
 No. 248.12, Class 1422-02, File 53787

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

#### Catalog Symbol and Amperes

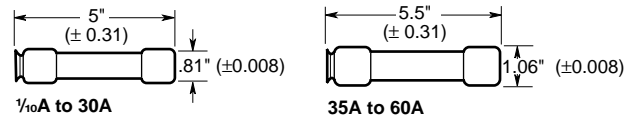
LPS-RK-1/10SP	LPS-RK-1 1/2SP	LPS-RK-5SP	LPS-RK-20SP
LPS-RK-2/10SP	LPS-RK-1 8/10SP	LPS-RK-5 8/10SP	LPS-RK-25SP
LPS-RK-3/10SP	LPS-RK-1 1/10SP	LPS-RK-6SP	LPS-RK-30SP
LPS-RK-4/10SP	LPS-RK-2 1/4SP	LPS-RK-6 1/4SP	LPS-RK-35SP
LPS-RK-1/2SP	LPS-RK-2 1/2SP	LPS-RK-7SP	LPS-RK-40SP
LPS-RK-9/10SP	LPS-RK-2 8/10SP	LPS-RK-8SP	LPS-RK-45SP
LPS-RK-8/10SP	LPS-RK-3SP	LPS-RK-9SP	LPS-RK-50SP
LPS-RK-1SP	LPS-RK-3 8/10SP	LPS-RK-10SP	LPS-RK-60SP
LPS-RK-1 1/8SP	LPS-RK-3 1/2SP	LPS-RK-12SP	—
LPS-RK-1 1/4SP	LPS-RK-4SP	LPS-RK-15SP	—
LPS-RK-1 1/10SP	LPS-RK-4 1/2SP	LPS-RK-17 1/2SP	—

#### Carton Quantity and Weight

Ampere Ratings	Carton Qty.	Weight*	
		Lbs.	Kg.
0-30	10	1.6	0.725
35-60	10	2.6	1.178

\*Weight per carton.

#### Dimensional Data



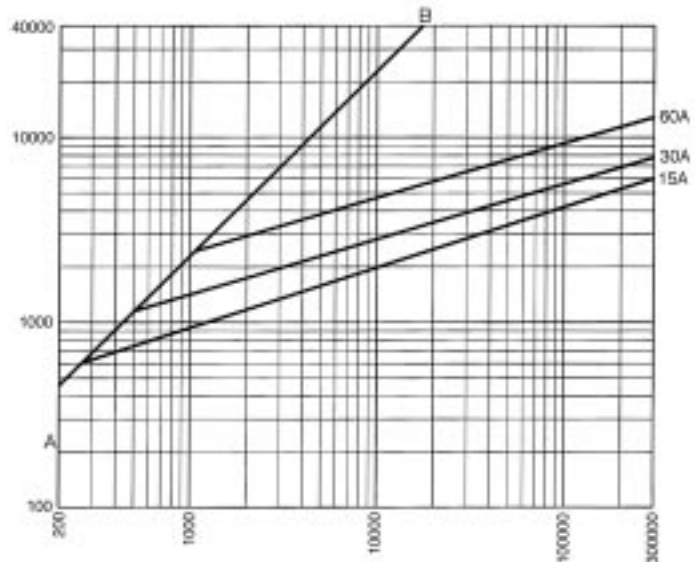
#### Features:

- Current-limitation for maximum short-circuit protection.
- 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 protection.
- Protection against single-phase motor damage.
- Low watt loss power consumption.
- Electrically isolated end caps.
- 300Vdc, UL Listed.

#### Applications:

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

#### Current-Limitation Curve



HMS SYMMETRICAL CURRENTS IN AM  
 A-B=ASYMMETRICAL AVAILABLE F  
 (2.3 x SYMM RMS AMPS)

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.

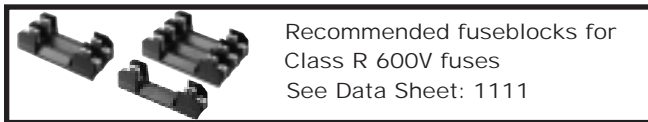
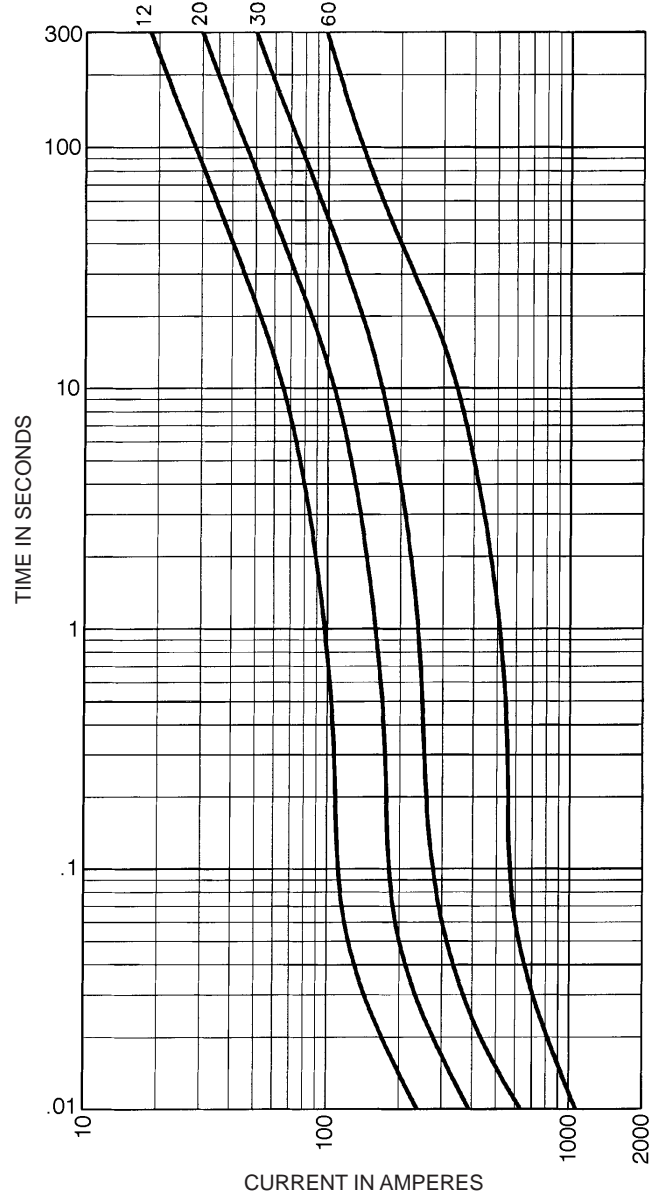
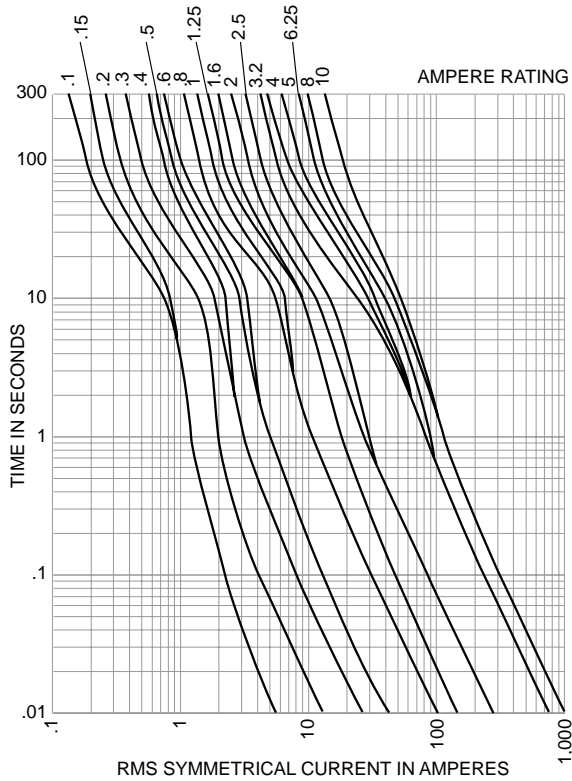
# LOW-PEAK®

Dual-Element, Time-Delay Fuses  
Class RK1 – 600 Volt

# LPS-RK

0-60 Amps

Time-Current Characteristic Curves—Average Melt



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

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# 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

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-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)

Ampere Ratings	Qty.	Carton Lbs.	Carton Kg.	Weight*
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.

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.

### Dimensional Data



### Dimensions (inches)

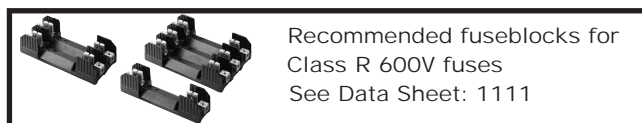
Ampere Ratings	"A"	"B"
70-100	7.88 (± 0.062)	1.11 (± 0.020)
110-200	9.63 (± 0.062)	1.61 (± 0.020)
225-400	11.63 (± 0.094)	2.36 (± 0.020)
450-600	13.38 (± 0.094)	2.88 (± 0.020)

### Features:

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



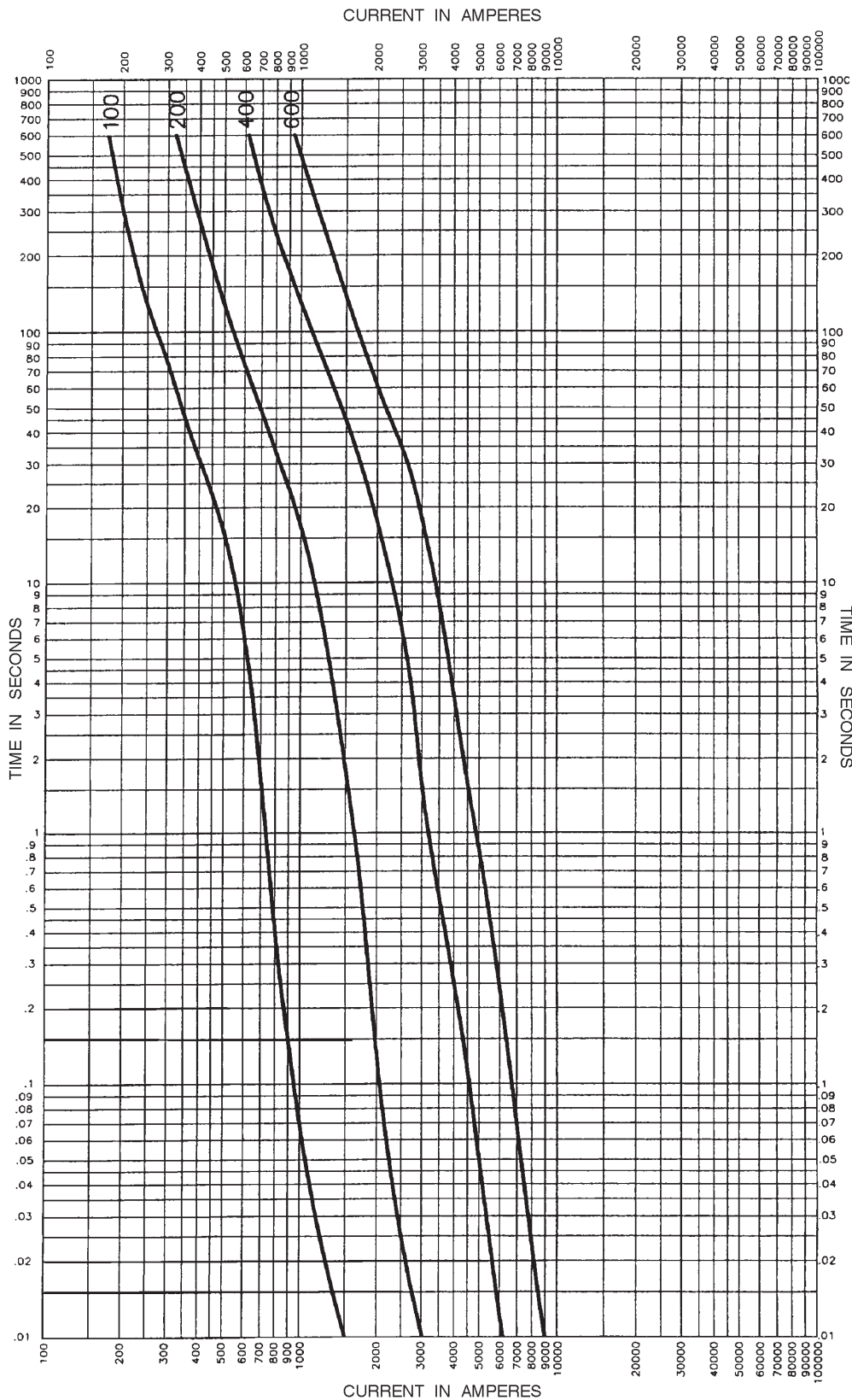
# LOW-PEAK®

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

# LPS-RK

## 70-600A

Time-Current Characteristic Average Melt





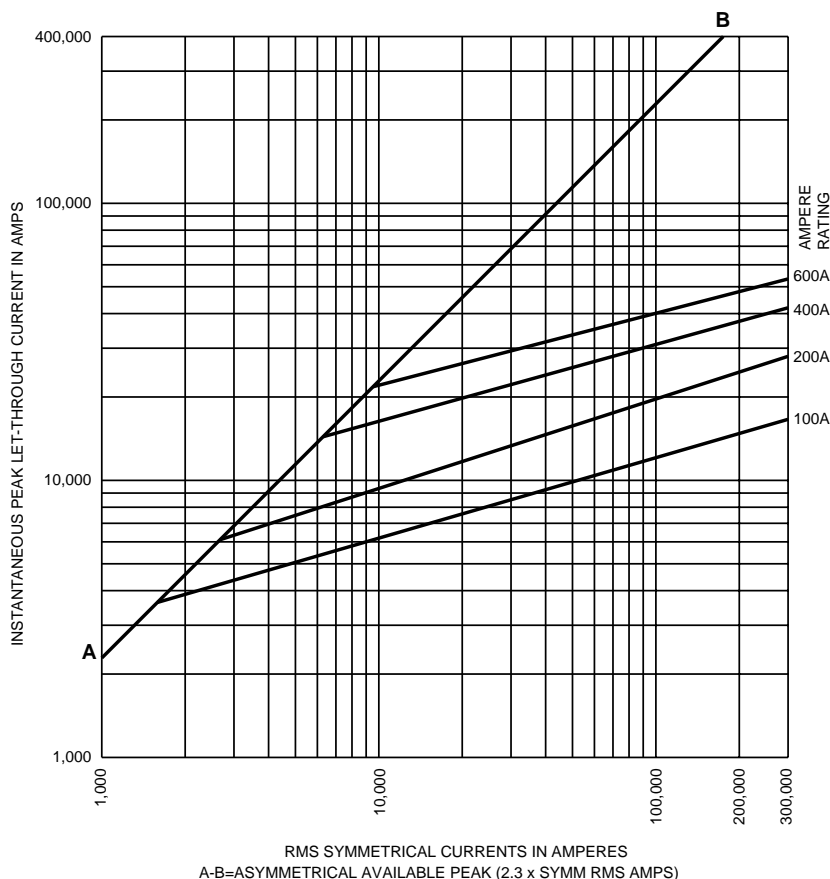
# LOW-PEAK®

## Dual-Element, Time-Delay Fuses

### Class RK1 -- 600 Vac/300 Vdc

LPS-RK  
70-600A

#### Current-Limitation Curves



#### Current-Limiting Effects

Prospect. 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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