

## Low-Peak® Dual-Element, Time-Delay, CLASS RK1 Fuses



### LPN-RK\_SP (250V)

### LPS-RK\_SP (600V)

**Dual-Element, Time-Delay** – 10 seconds (minimum) at 500% rated current (8 seconds for 0-30A sizes)

**Ampere Ratings:** 1/10-600 Amps.

**Voltage Rating:** LPN-RK: 250 Volts AC (or less), 125 Volts DC (1/10-60 A); 250V DC (70-600 A)  
LPS-RK: 600 Volts AC (or less), 300 Volts DC

### Current Limiting RK1 Fuse

#### 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 RK1 per CSA C22.2, No. 248.12, Class 1422-02, File 53787

**Dimensions:** See pages 52-53 for Class RK1 dimensional data.

- Current limitation for maximum short-circuit protection. High speed of response is highly sensitive to fault currents, but insensitive to starting current and transient surges.
- Provides long time-delay for temporary motor start-up.
- Time-delay permits 125% FLA sizing for back-up, motor running protection.

#### Catalogue Numbers (600V AC/300V DC)

LPS-RK-1/10SP	LPS-RK-2 1/2SP	LPS-RK-12SP	LPS-RK-110SP
LPS-RK-2/10SP	LPS-RK-2 3/4SP	LPS-RK-15SP	LPS-RK-125SP
LPS-RK-3/10SP	LPS-RK-3SP	LPS-RK-17 1/2SP	LPS-RK-150SP
LPS-RK-4/10SP	LPS-RK-3 3/4SP	LPS-RK-20SP	LPS-RK-175SP
LPS-RK-1/2SP	LPS-RK-3 1/2SP	LPS-RK-25SP	LPS-RK-200SP
LPS-RK-5/10SP	LPS-RK-4SP	LPS-RK-30SP	LPS-RK-225SP
LPS-RK-6/10SP	LPS-RK-4 1/2SP	LPS-RK-35SP	LPS-RK-250SP
LPS-RK-1SP	LPS-RK-5SP	LPS-RK-40SP	LPS-RK-300SP
LPS-RK-1 1/8SP	LPS-RK-5 5/8SP	LPS-RK-45SP	LPS-RK-350SP
LPS-RK-1 1/4SP	LPS-RK-6SP	LPS-RK-50SP	LPS-RK-400SP
LPS-RK-1 1/2SP	LPS-RK-6 1/4SP	LPS-RK-60SP	LPS-RK-450SP
LPS-RK-1 3/4SP	LPS-RK-7SP	LPS-RK-70SP	LPS-RK-500SP
LPS-RK-1 9/10SP	LPS-RK-8SP	LPS-RK-80SP	LPS-RK-600SP

#### Catalogue Numbers (250V AC/125V DC)

LPN-RK-1/10SP	LPN-RK-3 1/2SP	LPN-RK-60SP
LPN-RK-1 1/100SP	LPN-RK-4SP	LPN-RK-70SP
LPN-RK-2/10SP	LPN-RK-4 1/2SP	LPN-RK-80SP
LPN-RK-3/10SP	LPN-RK-5SP	LPN-RK-90SP
LPN-RK-4/10SP	LPN-RK-5 5/8SP	LPN-RK-100SP
LPN-RK-1/2SP	LPN-RK-6SP	LPN-RK-110SP
LPN-RK-5/10SP	LPN-RK-6 1/4SP	LPN-RK-125SP
LPN-RK-6/10SP	LPN-RK-8SP	LPN-RK-150SP
LPN-RK-1SP	LPN-RK-9SP	LPN-RK-175SP
LPN-RK-1 1/8SP	LPN-RK-10SP	LPN-RK-200SP
LPN-RK-1 1/4SP	LPN-RK-12SP	LPN-RK-225SP
LPN-RK-1 1/2SP	LPN-RK-15SP	LPN-RK-250SP
LPN-RK-1 3/4SP	LPN-RK-17 1/2SP	LPN-RK-300SP
LPN-RK-1 9/10SP	LPN-RK-20SP	LPN-RK-350SP
LPN-RK-2SP	LPN-RK-25SP	LPN-RK-400SP
LPN-RK-2 1/4SP	LPN-RK-30SP	LPN-RK-450SP
LPN-RK-2 1/2SP	LPN-RK-35SP	LPN-RK-500SP
LPN-RK-2 3/4SP	LPN-RK-40SP	LPN-RK-600SP
LPN-RK-3SP	LPN-RK-45SP	
LPN-RK-3 3/4SP	LPN-RK-50SP	

\*\*Meets all performance requirements of UL Standard 248-12 for Class RK1 fuses.  
0-60 Amp fuses available with Nickel plate option. (Ex: LPSRK30SPNP)  
70-600 Amp fuses available with Tin plate option. (Ex: LPS-RK-100SP-TP)

#### Carton Quantity and Weight

LPN-RK (250 Volts AC)				LPS-RK (600 Volts AC)		
Ampere Ratings	Carton Qty.	Weight*		Carton Qty.	Weight*	
		Lbs.	Kg		Lbs.	Kg
0-30	10	0.5	0.227	10	1.6	0.725
35-60	10	1.2	0.544	10	2.6	1.178
70-100	5	1.5	0.680	5	4.0	1.814
110-200	1	0.69	0.313	1	2.0	0.906
225-400	1	1.75	0.793	1	4.6	2.086
450-600	1	3.25	1.474	1	5.6	2.540

\*Weight per carton.

CE CE logo denotes compliance with European Union Low Voltage Directive (50-1000V AC, 75-1500V DC). Refer to BIF document #8002.

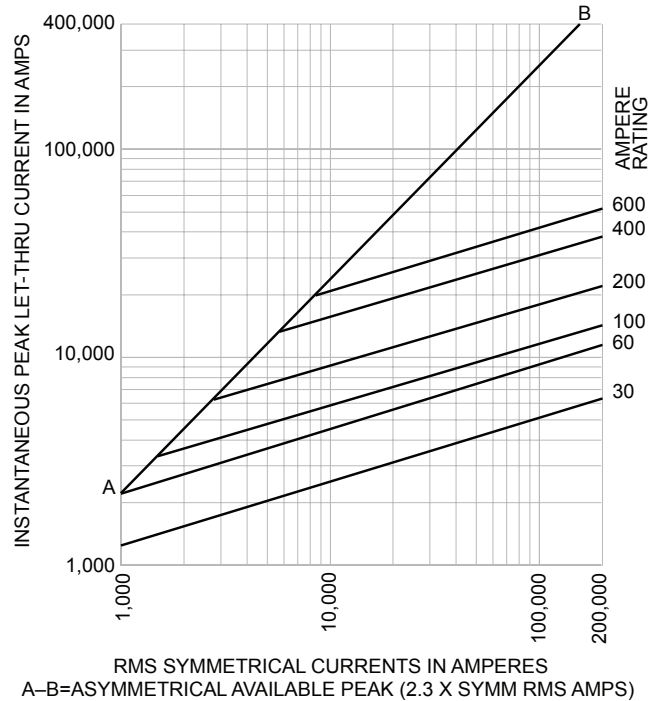
# Low-Peak® Dual-Element, Time-Delay, CLASS RK1 Fuses

## Recommended Fuseblocks for Class RK1 fuses

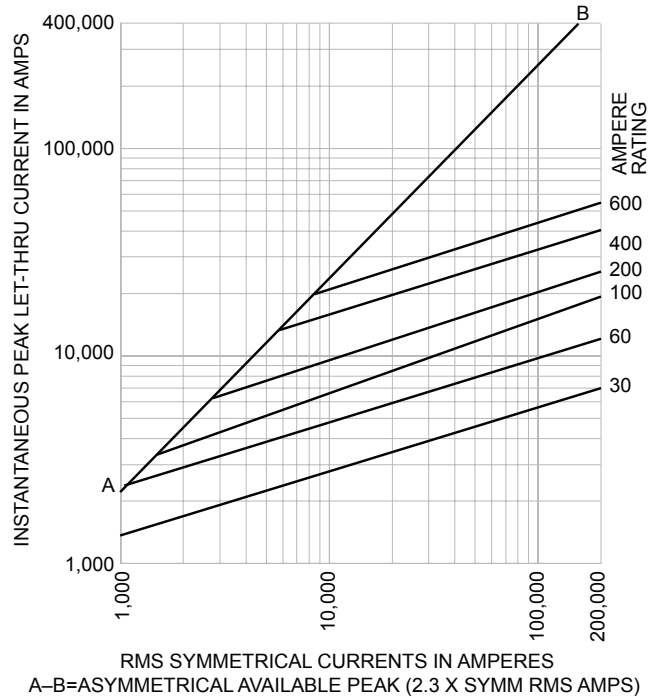
Amps	Poles	Catalogue Number (250V) (600V)		Terminal Type (Suffix No.)				
				Screw w/		Box Lug w/		¼" Quick-Connect
				Pres. Plate	—	Clip CU only	—	
1/10 to 30	1	R25030-1	R60030-1	SR	PR	CR	COR	QR**
	2	R25030-2	R60030-2	SR	PR	CR	COR	QR**
1 to 60	3	R25030-3	R60030-3	SR	PR	CR	COR	QR**
	1	R25060-1	R60060-1	SR*	PR	CR	COR	—
61 to 100	2	R25060-2	R60060-2	SR*	PR	CR	COR	—
	3	R25060-3	R60060-3	SR*	PR	CR	COR	—
101 to 200	1	R25100-1	R60100-1	—	—	CR	COR	—
	2	R25100-2	R60100-2	—	—	CR	COR	—
	3	R25100-3	R60100-3	—	—	CR	COR	—
201 to 400	1	R25200-1	R60200-1	—	—	CR	COR	—
	3	R25200-3	R60200-3	—	—	CR	—	—
401 to 600	1	R25400-1	R60400-1	—	—	CR*	COR*	—
	3	R25400-3	R60400-3	—	—	CR	—	—
601 to 1000	1	R25600-1	R60600-1	—	—	CR	—	—
	3	R25600-3	R60600-3	—	—	CR	—	—

\*UL Recognized, No CSA Certification.  
\*\*Quick connect not available on 600V blocks.

## Current Limitation Curves—LPN-RK (250V)

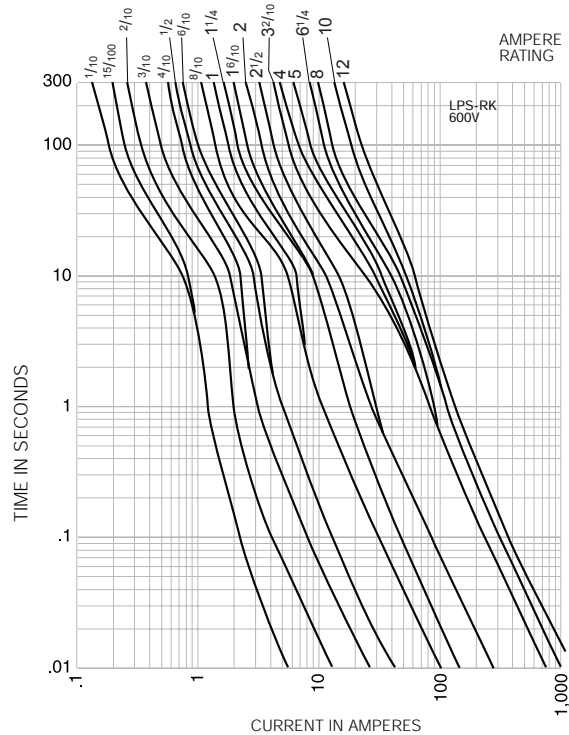
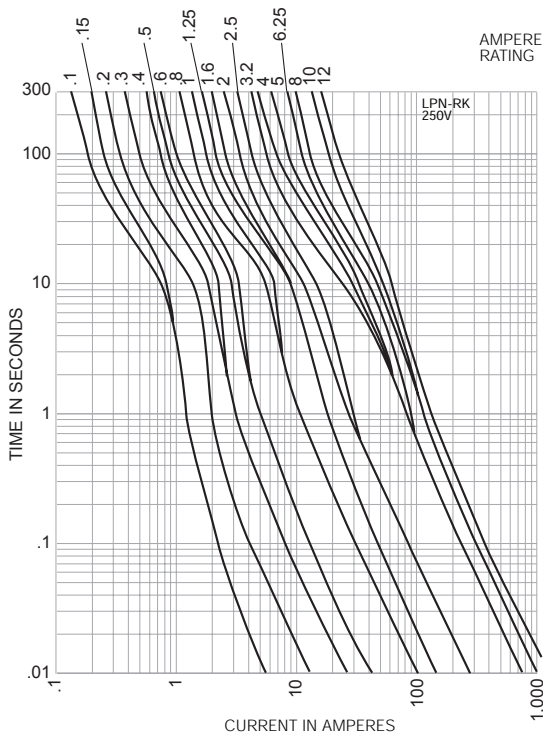
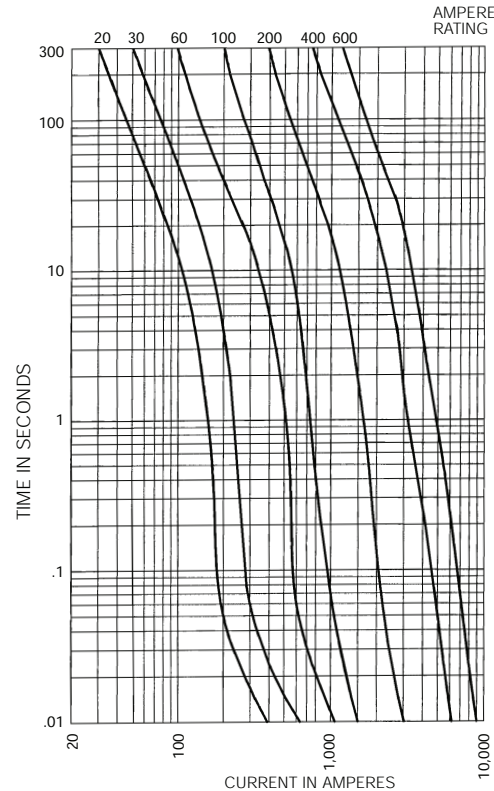
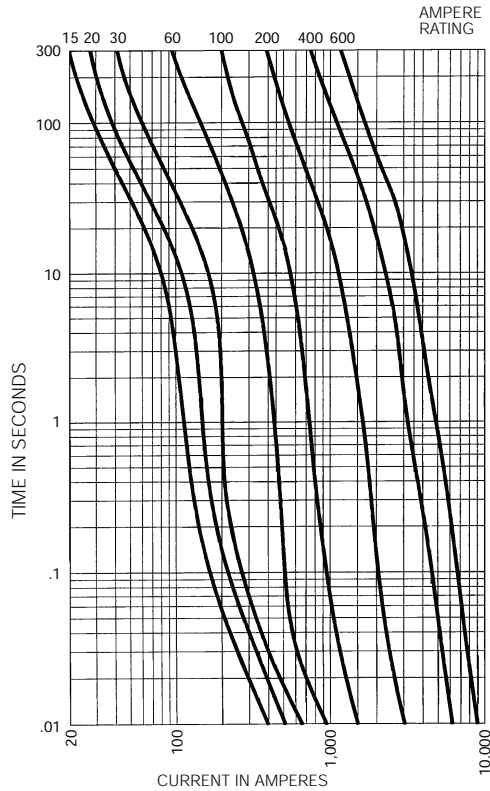


## Current Limitation Curves—LPS-RK (600V)



**Low-Peak® Dual-Element, Time-Delay, CLASS RK1 Fuses**

**Time-Current Characteristic Curves—Average Melt**



BIF document: (LPN-RK) 1003 (0-60) & 1004 (70-600)

BIF document: (LPS-RK) 1001 (0-60) & 1002 (70-600)