

## Low-Peak® dual-element, time-delay fuses

### LPN-RK\_SP (250V) Class RK1

### LPS-RK\_SP (600V) Class RK1

**Now Available  
With Optional  
Indication**



#### Specifications

##### Description:

Current-limiting, dual-element, time-delay fuse; 10 seconds (minimum) at 500% rated amps (8 seconds for 0-30A sizes). Now available with optional permanent indication on select ratings (see Catalog Numbers table).

**Dimensions:** See page 11 for Class RK1 dimensions.

**Construction:** Copper fuse element.

#### Ratings:

Volts **LPN-RK:**

- 250Vac (or less)
- 125Vdc (0-60A)
- 250Vdc (70-600A)

**LPS-RK:**

- 600Vac (or less)
- 300Vdc

Amps — 1/10-600A

- IR — 300,000A RMS Sym.
- 100,000A dc

**Agency Information:** CE, 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.

#### Features and Benefits

- Separate overload and short-circuit elements provide time delay for close sizing of high inrush loads linked with K1 current-limitation and selective coordination ratio of 2:1 (within Low-Peak fuse family) prevents widespread blackouts.
- Inventory consolidation of Class RK1, RK5 and H fuses for reduced SKU investment and minimizing potential for misapplying fuse.
- 300,000A RMS symmetrical interrupting rating provides adequate ratings without obsolescence for all electrical systems, big or small.
- Insulated end caps reduces exposure to live parts and extends air gap to distance between blades of adjacent mounted fuses or to housing.

**Data Sheets:** LPN-RK — 1003 (0-60) and 1004 (70-600)  
 LPN-RK with indication — 1066 (70-600)  
 LPS-RK — 1001 (0-60) and 1002 (70-600)  
 LPS-RK with indication — 1061 (0-60) and 1064 (70-600)

#### Typical Applications

- Large Distribution Switchboards
- Power Panelboards
- Motor Control Centers
- Machinery Disconnect Switches

#### LPN Catalog Numbers (Amps) (250Vac/125Vdc)

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

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

\*\*Available with optional permanent indication. To order, place "I" at end of Catalog Number.

Example: LPN-RK-35SP1.

0-60A fuses available with Nickel plate option. (Ex: LPS-RK30SPNP) 70-600A fuses available with Tin plate option. Example: LPS-RK-100SP-TP.

#### LPS Catalog Numbers - (Amps) (600Vac/300Vdc)

LPN-RK-1/10SP	LPS-RK-2 1/2SP	LPS-RK-12SP**	LPS-RK-110SP**
LPN-RK-3/10SP	LPS-RK-2 1/10SP	LPS-RK-15SP**	LPS-RK-125SP**
LPN-RK-3/10SP	LPS-RK-3SP	LPS-RK-17 1/2SP**	LPS-RK-150SP**
LPN-RK-1/2SP	LPS-RK-3 1/10SP	LPS-RK-20SP**	LPS-RK-175SP**
LPN-RK-1/2SP	LPS-RK-3 1/2SP	LPS-RK-25SP**	LPS-RK-200SP**
LPN-RK-5/10SP	LPS-RK-4SP	LPS-RK-30SP**	LPS-RK-225SP**
LPN-RK-3/10SP	LPS-RK-4 1/2SP	LPS-RK-35SP**	LPS-RK-250SP**
LPN-RK-1SP	LPS-RK-5SP	LPS-RK-40SP**	LPS-RK-300SP**
LPN-RK-1 1/2SP	LPS-RK-5 1/10SP	LPS-RK-45SP**	LPS-RK-350SP**
LPN-RK-1 1/2SP	LPS-RK-6SP**	LPS-RK-50SP**	LPS-RK-400SP**
LPN-RK-1 1/10SP	LPS-RK-6 1/2SP**	LPS-RK-60SP**	LPS-RK-450SP**
LPN-RK-1 1/2SP	LPS-RK-7SP**	LPS-RK-70SP**	LPS-RK-500SP**
LPN-RK-1 1/10SP	LPS-RK-8SP**	LPS-RK-80SP**	LPS-RK-600SP**
LPN-RK-1 1/10SP	LPS-RK-9SP**	LPS-RK-90SP**	
LPN-RK-2 1/2SP	LPS-RK-10SP**	LPS-RK-100SP**	

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

\*\*Available with optional permanent replace fuse indication. To order, place "I" at end of Catalog Number. Example: LPS-RK-15SP1.

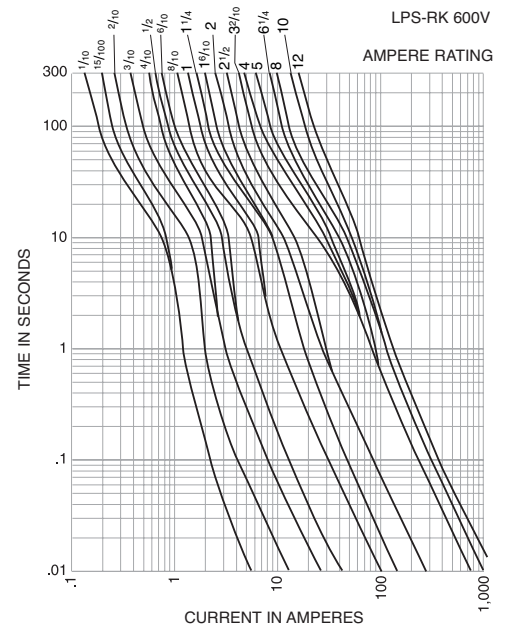
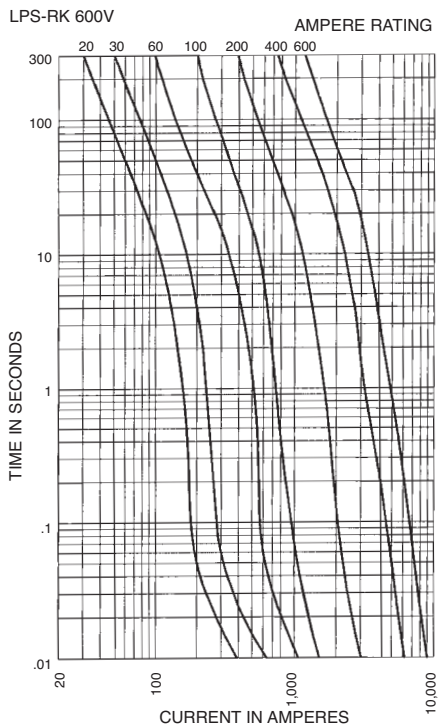
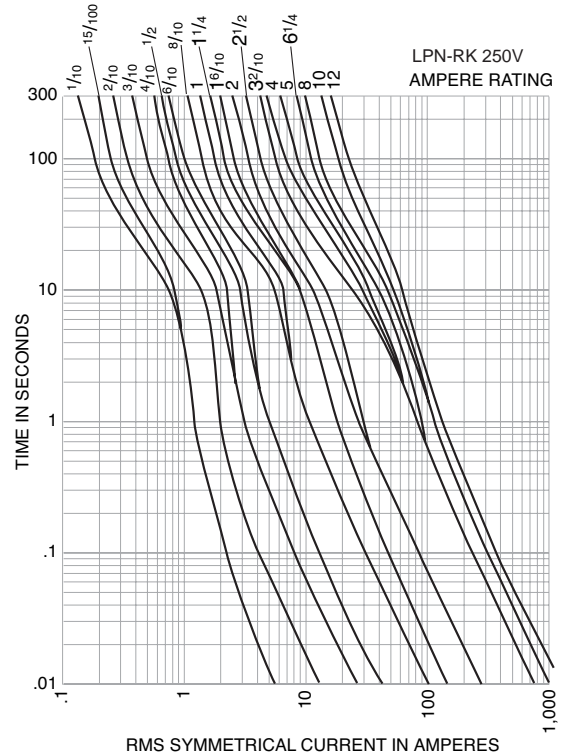
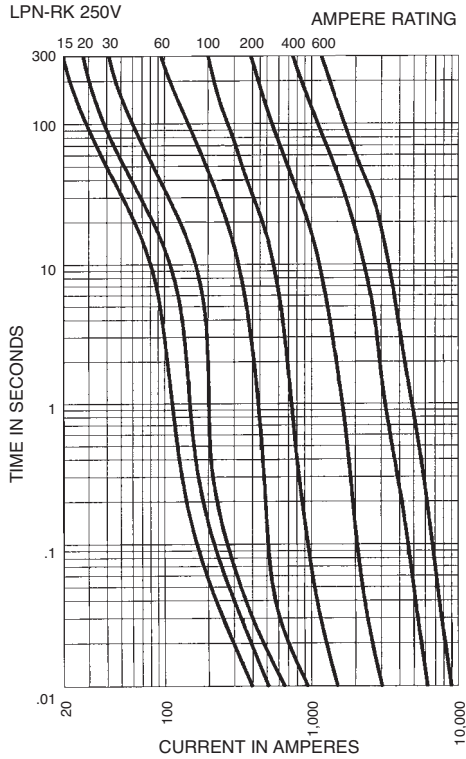
#### Recommended Fuse Holders & Blocks For Class RK1 600V & 250V Fuses

- See page 9

Low Voltage, Branch Circuit Rated Fuses

Low-Peak® dual-element, time-delay fuses

Time-Current Characteristic Curves—Average Melt



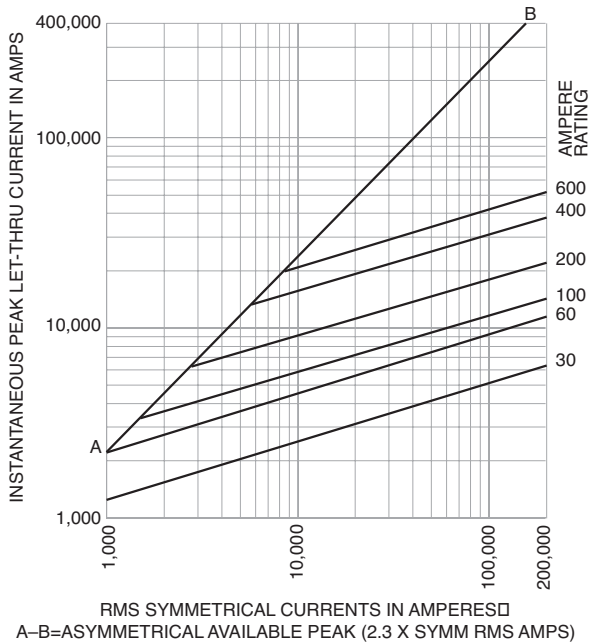
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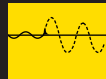
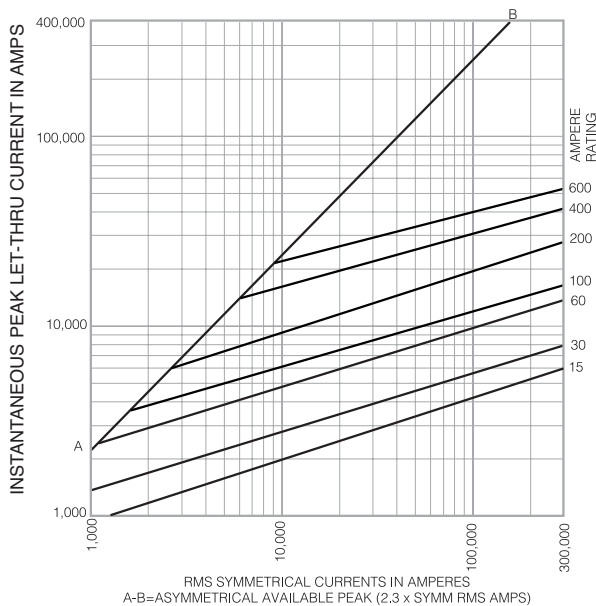
**Low Voltage, Branch Circuit Rated Fuses**

**Low-Peak® dual-element, time-delay fuses**

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



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



**Did You Know?**

**Manhattan's Biggest Building Project Protected by Cooper Bussmann® Low-Peak® Fuses**



New York City's landmark AOL Time Warner Center is protected by a vast array of Cooper Bussmann products. The \$1.7 billion, twin-towered, glass-walled complex rises 750 feet and measures 2.8 million square feet. The electrical circuit protection system has 25 switchboards (1200A - 4000A) all containing fusible switches, 500 panelboards (100A - 1600A), 75 plug-in busway switches (100A - 600A), and more than 1900 Cooper Bussmann Class J Low-Peak® fuses. Cooper Bussmann LPJ fuses were used because of the superior series-ratings available using Class J fuses with downstream circuit breaker panels.

Fuses were selected by the consulting engineer for all switchboards, power panels and busway switches because of the high available short circuit currents and the need for selective coordination of overcurrent protective devices (a requirement of the New York City Electrical Code) so the electrical system does not have a "blackouts."

**Data Sheets: LPN-RK — 1003 (0-60) and 1004 (70-600)**  
**Data Sheets: LPS-RK — 1001 (0-60) and 1002 (70-600)**

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