

Low-Peak® Dual-element, Time-delay Fuses

Low Voltage
Branch
Circuit
Fuses

LPN-RK_SP (250V) Class RK1
LPS-RK_SP (600V) Class RK1

Available With
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 indication on select
ratings (see Catalog Numbers
table).

Dimensions: See page 15 for Class RK1 dimensions.
Ratings:

- Volts LPN-RK:
— 250Vac (or less)
— 125Vdc (0-60A)
— 250Vdc (70-600A)
LPS-RK:
— 600Vac (or less)
— 300Vdc
Amps — 1/10-600A
IR — 300kA RMS Sym.
— 100kA DC

Agency Information: CE, UL Listed – Special Purpose*,
Guide JFHR, File E56412, CSA Certified (200k 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 RK1 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.
- 300kA 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.

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

LPN Catalog Numbers (Amps)

| | | |
|-----------------|-----------------|----------------|
| LPN-RK-1/10SP | LPN-RK-3-1/2SP | LPN-RK-60SP** |
| LPN-RK-1/20SP | LPN-RK-4SP | LPN-RK-70SP** |
| LPN-RK-1/30SP | LPN-RK-4-1/2SP | LPN-RK-80SP** |
| LPN-RK-1/40SP | LPN-RK-5SP | LPN-RK-90SP** |
| LPN-RK-1/50SP | LPN-RK-5-1/2SP | LPN-RK-100SP** |
| LPN-RK-1/60SP | LPN-RK-6SP | LPN-RK-110SP** |
| LPN-RK-1/70SP | LPN-RK-6-1/2SP | LPN-RK-125SP** |
| LPN-RK-1/80SP | 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-1-1/4SP | LPN-RK-12SP | LPN-RK-225SP** |
| LPN-RK-1-1/30SP | LPN-RK-15SP | LPN-RK-250SP** |
| LPN-RK-1-1/40SP | LPN-RK-17-1/2SP | LPN-RK-300SP** |
| LPN-RK-1-1/50SP | 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-2-1/4SP | LPN-RK-35SP** | LPN-RK-500SP** |
| LPN-RK-2-1/30SP | LPN-RK-40SP** | LPN-RK-600SP** |
| LPN-RK-3SP | LPN-RK-45SP** | |
| LPN-RK-3-1/2SP | LPN-RK-50SP** | |

*Meets all performance requirements of UL Standard 248-12 for Class RK1 fuses.
**Available with optional indication. To order, place "I" at end of Catalog Number. Example:
LPN-RK-35SP-I.
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)

| | | | |
|-----------------|-------------------|-------------------|----------------|
| LPS-RK-1/10SP | LPS-RK-2-1/2SP | LPS-RK-12SP** | LPS-RK-110SP** |
| LPS-RK-1/20SP | LPS-RK-2-1/40SP | LPS-RK-15SP** | LPS-RK-125SP** |
| LPS-RK-1/30SP | LPS-RK-3SP | LPS-RK-17-1/2SP** | LPS-RK-150SP** |
| LPS-RK-1/40SP | LPS-RK-3-1/20SP | LPS-RK-20SP** | LPS-RK-175SP** |
| LPS-RK-1/50SP | LPS-RK-3-1/2SP | LPS-RK-25SP** | LPS-RK-200SP** |
| LPS-RK-1/60SP | LPS-RK-4SP | LPS-RK-30SP** | LPS-RK-225SP** |
| LPS-RK-1/70SP | 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-1-1/2SP | LPS-RK-5-1/20SP | LPS-RK-45SP** | LPS-RK-350SP** |
| LPS-RK-1-1/40SP | LPS-RK-6SP** | LPS-RK-50SP** | LPS-RK-400SP** |
| LPS-RK-1-1/50SP | LPS-RK-6-1/20SP** | LPS-RK-60SP** | LPS-RK-450SP** |
| LPS-RK-1-1/60SP | LPS-RK-7SP** | LPS-RK-70SP** | LPS-RK-500SP** |
| LPS-RK-1-1/70SP | LPS-RK-8SP** | LPS-RK-80SP** | LPS-RK-600SP** |
| LPS-RK-1-1/80SP | LPS-RK-9SP** | LPS-RK-90SP** | |
| LPS-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 replace fuse indication. To order, place "I" at end of Catalog
Number. Example: LPS-RK-15SP-I.

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)

Recommended Fuse Holders & Blocks For Class RK1 Fuses
• See page 13