



### SPECIFICATIONS

**Voltage ratings:** AC: 250 Volts (KLNR); 600 Volts (KLSR)

DC: 125 Volts (1 – 600A KLNR);  
250 Volts (1 – 30A KLSR);  
300 Volts (35 – 600A KLSR).

**Interrupting ratings:** AC: 200,000 amperes rms symmetrical  
DC: 20,000 amperes

**Ampere range:** 1 – 600 amperes.

**Approvals:** AC: UL Listed Class RK1 fuses per UL 248  
(formerly UL 198E)  
(File No. E81895)  
CSA Certified HRCI-R (File No. LR29862)  
DC: Ratings are Littelfuse Certified

### AMPERE RATINGS

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

*Example part number (series & amperage): KLNR 200*

### RECOMMENDED FUSE BLOCKS

LR250 series (for KLNR series fuses)  
LR600 series (for KLSR series fuses)

Refer to Fuse Block section of this catalog for additional information.

KLNR/KLSR series RK1 fuses were the earliest type of current-limiting fuse developed. Their single-element, silver link design enables them to provide fast-acting overload and short-circuit protection. When used to protect inductive loads such as motors, solenoids, and transformers, KLNR/KLSR series fuses must be greatly oversized to prevent opening the fuses on harmless inrush currents. In such applications, KLNR/KLSR series fuses may only provide short-circuit protection.

We recommend using POWER-PRO® LLNRK/LLSRK series RK1, dual-element, time-delay fuses in all new applications requiring the current-limiting ability of UL Class RK1 fuses, or in existing applications where fast-acting RK1 or RK5 fuses have been opening on harmless system surges such as motor starting currents.

### APPLICATIONS

Resistance heaters

Lighting circuits

Non-inductive loads

Molded case circuit breaker load centers and panelboards have increased interrupting ratings when "series rated" with Littelfuse KLNR/KLSR Class RK1 fuses. Refer to panelboard manufacturer's literature for UL Listed combination of fuses and panelboards. Series ratings up to 200,000 amperes are available.

### SAFETY

- 200,000 A.I.R. — Reliable interruption of all overcurrents up to 200,000 amperes.
- Extremely current limiting — Stops damaging short-circuit current faster than any mechanical protective device.
- Fast-acting — Provides fast-acting protection to equipment such as variable speed drives, rectifiers and other equipment containing surge-sensitive components.

### LONGER EQUIPMENT LIFE

- Current-limiting design reduces damage to equipment caused by heating and magnetic effects of short-circuit currents.

### ECONOMICAL

- Extremely current-limiting — often permits use of readily available, less costly equipment.
- Used as input or output fuses for surge-sensitive components, such as variable speed drives and rectifiers, fast-acting KLNR/KLSR fuses may prevent opening of expensive semiconductor fuses protecting individual components.

### EASY TO USE

- 200,000 A.I.R. rating minimizes need for short circuit calculations.

### DIMENSIONS

- Refer to FLNR for KLNR dimensions and FLSR for KLSR dimensions.

