KLNR/KLSR Class RK1 Fuses

250/600 VAC • Fast Acting • 1 – 600 Amperes



KLNR/KLSR series RK1 fuses were the earliest type of current-limiting fuses 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 in-rush currents. In such applications, KLNR/KLSR series fuses may only provide short-circuit protection.

We recommend using POWR-PRO® LLNRK/LLSRK series Class RK1, dual-element, time-delay fuses in all new applications requiring the current-limiting ability of UL Class RK1 fuses. POWR-PRO LLNRK/LLSRK series fuses are also recommended 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_ID for KLNR dimensions and FLSR_ID for KLSR dimensions.

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:	Standard 248-12, Class RK1 UL Listed (File No: E81895) CSA Certified (File No: LR29862)
	DC:	Littelfuse self-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

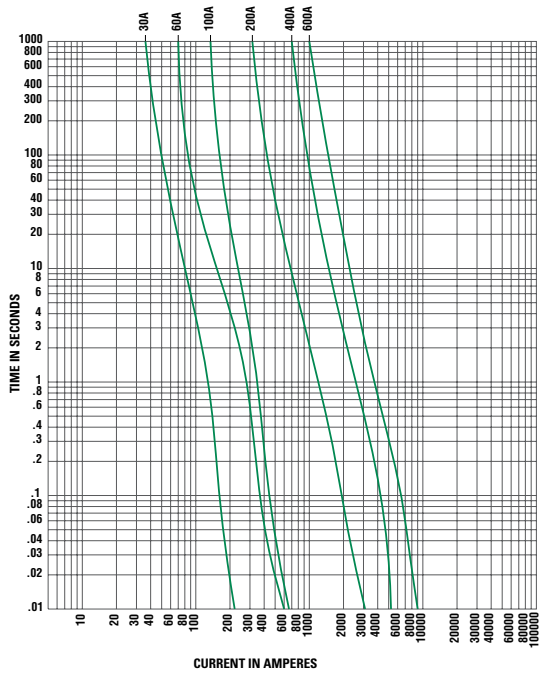
LR250 series (for KLNR series fuses)
LR600 series (for KLSR series fuses)
Refer to the Blocks & Holders section of this catalog for additional information.

© 2005 Littelfuse • POWR-GARD™ Products Catalog

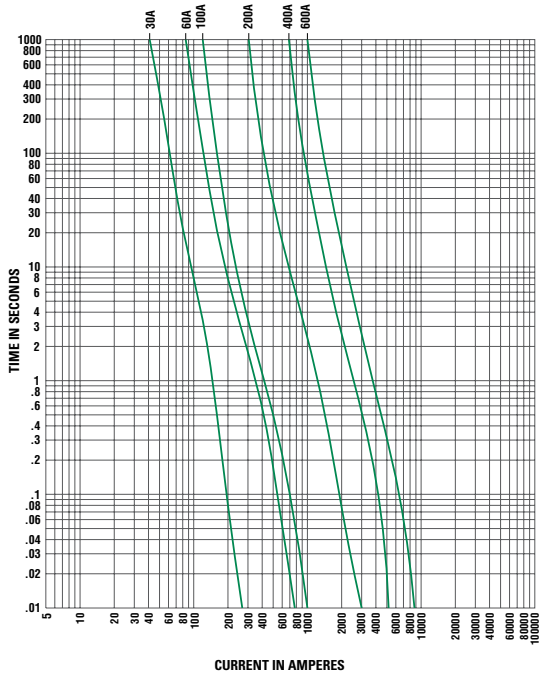
KLNR/KLSR Class RK1 Fuses

250/600 VAC • Fast Acting • 1 – 600 Amperes

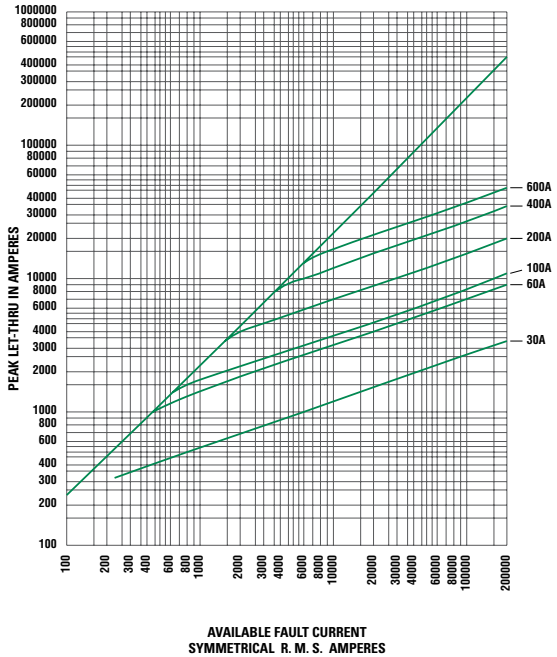
KLNR



KLSR



KLNR



KLSR

