

# CLASS RK1 – KLNR • KLSR SERIES FUSES

250/600 Vac • Fast-Acting • 1-600 A



## Description

KLSR/KLNR fuses are an economical single element design providing the safety of an RK1 fuse.

## Applications

- Resistance heaters
- Lighting circuits
- Non-inductive loads

## Features/Benefits

- Extremely Current-Limiting
- Indicating and DIN mount fuse holders available

## Specifications

|                             |                                                                                                                              |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Voltage Ratings</b>      | AC: 250 V (KLNR); 600 V (KLSR)<br>DC: 125 V (1 – 600 A KLNR);<br>250 V (1 – 30 A KLSR);<br>300 V (35 – 600 A KLSR).          |
| <b>Interrupting Ratings</b> | AC: 200 kA rms symmetrical<br>DC: 20 kA                                                                                      |
| <b>Ampere Range</b>         | 1 – 600 A                                                                                                                    |
| <b>Approvals</b>            | AC: Standard 248-12, Class RK1<br>UL Listed (File: E81895)<br>CSA Certified (File: LR29862)<br>DC: Littelfuse self-certified |

## Recommended Fuse Holders

LFR60 Series - LFR25 Series

## Ordering Information

| 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 |

### 600 V

| SERIES | AMPERAGE | CATALOG NUMBER | ORDERING NUMBER |
|--------|----------|----------------|-----------------|
| KLSR   | 90       | KLSR090        | KLSR090.V       |

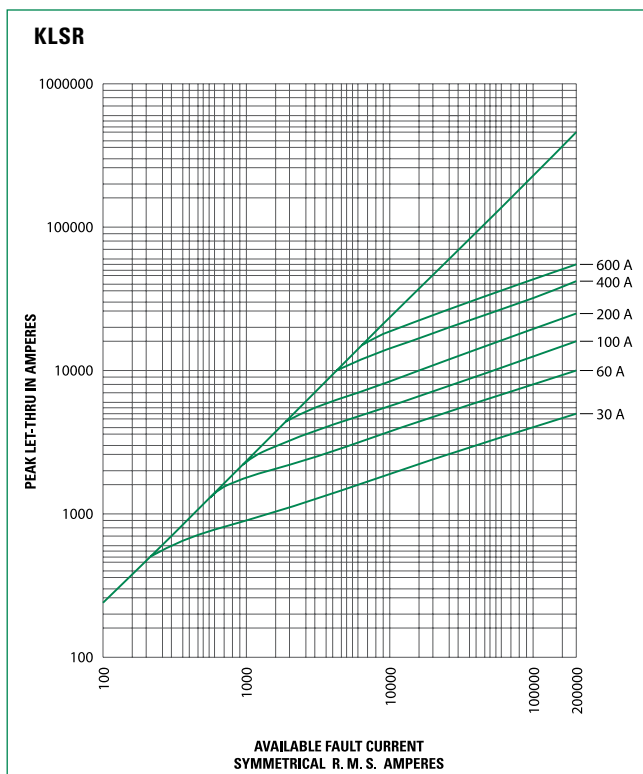
### 250 V

| SERIES | AMPERAGE | CATALOG NUMBER | ORDERING NUMBER |
|--------|----------|----------------|-----------------|
| KLNR   | 90       | KLNR090        | KLNR090.V       |

## Web Resources

Download TC Curves, CAD drawings and other technical information: [littelfuse.com/klsr](http://littelfuse.com/klsr)  
[littelfuse.com/klnr](http://littelfuse.com/klnr)

## Peak Let-Thru Curve (600 V)



# CLASS RK1 – KLNK • KLSR SERIES FUSES

## Dimensions

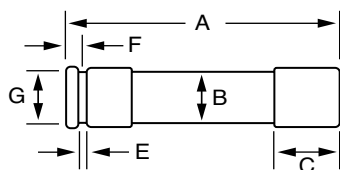


FIG. 1

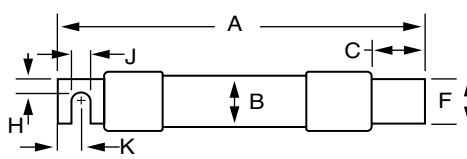
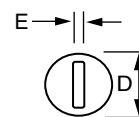


FIG. 2



70-600A

| AMPS    | FIGURE NUMBER | SERIES | DIMENSIONS INCHES (mm) |              |                |                |            |              |            |             |               |               |
|---------|---------------|--------|------------------------|--------------|----------------|----------------|------------|--------------|------------|-------------|---------------|---------------|
|         |               |        | A                      | B            | C              | D              | E          | F            | G          | H           | J             | K             |
| 1/10–30 | 1             | KLNK   | 2 (50.8)               | 1/2 (12.7)   | 1/2 (12.7)     | 9/16 (14.3)    | 5/64 (2.0) | 5/32 (4.0)   | 3/8 (9.5)  | —           | —             | —             |
|         |               | KLSR   | 5 (127.0)              | 3/4 (19.1)   | 5/8 (15.9)     | 13/16 (20.6)   | 3/32 (2.4) | 3/16 (4.8)   | 5/8 (15.9) | —           | —             | —             |
| 35–60   | 1             | KLNK   | 3 (76.2)               | 3/4 (19.1)   | 5/8 (15.9)     | 13/16 (20.6)   | 3/32 (2.4) | 3/16 (4.8)   | 5/8 (15.9) | —           | —             | —             |
|         |               | KLSR   | 5 1/2 (139.7)          | 1 (25.4)     | 5/8 (15.9)     | 1 1/16 (27.0)  | 3/32 (2.4) | 1/4 (6.4)    | 7/8 (22.2) | —           | —             | —             |
| 70–100  | 2             | KLNK   | 5 7/8 (149.2)          | 1 (25.4)     | 1 1/16 (27.0)  | 1 1/16 (27.0)  | 1/8 (3.2)  | 3/4 (19.1)   | —          | 1/4 (6.4)   | 9/32 (7.1)    | 1/2 (12.7)    |
|         |               | KLSR   | 7 7/8 (200.0)          | 1 1/4 (31.8) | 1 1/16 (27.0)  | 1 5/16 (33.3)  | 1/8 (3.2)  | 3/4 (19.1)   | —          | 1/4 (6.4)   | 9/32 (7.1)    | 1/2 (12.7)    |
| 110–200 | 2             | KLNK   | 7 1/8 (181.0)          | 1 1/2 (38.1) | 1 15/32 (37.3) | 1 19/32 (40.5) | 3/16 (4.8) | 1 1/8 (28.6) | —          | 7/16 (11.1) | 9/32 (7.1)    | 1 1/16 (17.5) |
|         |               | KLSR   | 9 5/8 (244.5)          | 1 3/4 (44.5) | 1 15/32 (37.3) | 1 27/32 (46.8) | 3/16 (4.8) | 1 1/8 (28.6) | —          | 7/16 (11.1) | 9/32 (7.1)    | 1 1/16 (17.5) |
| 225–400 | 2             | KLNK   | 8 5/8 (219.1)          | 2 (50.8)     | 1 15/16 (49.2) | 2 3/32 (53.2)  | 1/4 (6.4)  | 1 5/8 (41.3) | —          | 5/8 (15.9)  | 13/32 (10.3)  | 1 5/16 (23.8) |
|         |               | KLSR   | 11 5/8 (295.3)         | 2 1/2 (63.5) | 2 (50.8)       | 2 19/32 (65.9) | 1/4 (6.4)  | 1 5/8 (41.3) | —          | 5/8 (15.9)  | 13/32 (10.3)  | 1 5/16 (23.8) |
| 450–600 | 2             | KLNK   | 10 3/8 (263.5)         | 2 1/2 (63.5) | 2 3/8 (60.3)   | 2 19/32 (65.9) | 1/4 (6.4)  | 2 (50.8)     | —          | 3/4 (19.1)  | 1 7/32 (13.5) | 1 1/8 (28.6)  |
|         |               | KLSR   | 13 3/8 (339.7)         | 3 (76.2)     | 2 13/32 (61.1) | 3 3/32 (78.6)  | 1/4 (6.4)  | 2 (50.8)     | —          | 3/4 (19.1)  | 1 7/32 (13.5) | 1 1/8 (28.6)  |