

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

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

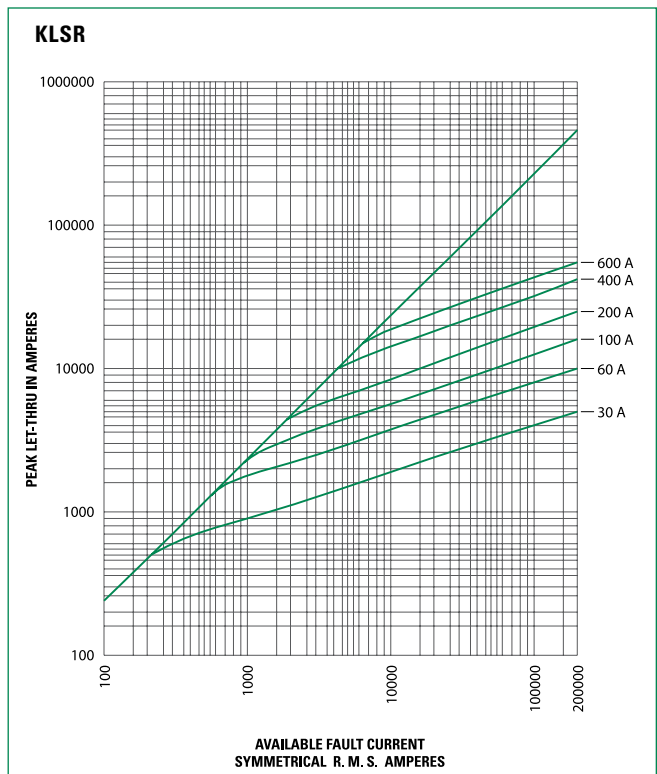
250 V

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

Web Resources

Download TC Curves, CAD drawings and other technical information: littelfuse.com/ksr
littelfuse.com/klnr

Peak Let-Thru Curve (600 V)



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Dimensions



FIG. 1



FIG. 2



| AMPS | FIGURE NUMBER | SERIES | DIMENSIONS INCHES (mm) | | | | | | | | | |
|---------|---------------|--------|------------------------|--------------|----------------|----------------|------------|--------------|------------|-------------|---------------|---------------|
| | | | A | B | C | D | E | F | G | H | J | K |
| 1/10-30 | 1 | KLNR | 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 | KLNR | 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 | KLNR | 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 | KLNR | 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 | KLNR | 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 | KLNR | 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) |