

# CLASS H – RLN / RLS SERIES FUSES & LKN / LKS LINKS

250/600 VAC • Renewable • 1-600 A



## Description

Littelfuse RLN and RLS series renewable fuses have traditionally been used to provide low cost protection. However, generally increased levels of available fault current and the distinct possibility that renewable fuses may be improperly renewed, have rendered them unsafe. The use of these fuses in new applications is prohibited by law.

## Specifications

**Voltage Ratings** AC: 250 V (RLN); 600 V (RLS)  
**Interrupting Ratings** AC: 10 kA rms symmetrical  
**Ampere Range** 1–600 A  
**Approvals** Standard 248-6, Class H  
 UL Listed (File: E81895)  
 CSA Certified (File: LR29862)  
**Fuse Links** To order, specify LKN (250V) or LKS (600V) plus ampere rating.

### Guide For Proper Renewable Fuse Usage

Renewable fuses should only be used where short-circuit currents are known to be less than 10,000 amperes, and where correct replacement of open links is assured. Renewable fuses and links are not recommended for new applications.

### Still Using Class H Fuses?

Littelfuse offers several fuse and fuse block combinations that can greatly improve electrical safety.  
 LLNRK / LLSRK  
 FLNR / FLSR fuses  
 LFR fuse holders

## Ordering Information

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

\*RLS only.  
 †These ampere ratings require two links per fuse.

| TYPE | VOLTAGE | CATALOG NUMBER | ORDERING NUMBER |
|------|---------|----------------|-----------------|
| FUSE | 600     | RLS020         | ORLS020.T       |
| FUSE | 250     | RLN020         | ORLN020.T       |
| LINK | 600     | LKS025         | OLKS025.S       |
| LINK | 250     | LKN030         | OLKN030.S       |

## Dimensions



FIG. 1



FIG. 2

| AMPERES   | REFER TO FIG. NO. | SERIES | DIMENSIONS INCHES (mm) |           |           |               |         |           |               |
|-----------|-------------------|--------|------------------------|-----------|-----------|---------------|---------|-----------|---------------|
|           |                   |        | A                      | B         | C         | D             | E       | F         | G             |
| 1 – 30    | 1                 | RLN    | 2 (50.8)               | ½ (12.7)  | ½ (12.7)  | ⅜ (14.3)      | —       | —         | —             |
|           |                   | RLS    | 5 (127.0)              | ¾ (19.1)  | ⅝ (15.9)  | 13/16 (20.6)  | —       | —         | —             |
| 35 – 60   | 1                 | RLN    | 3 (76.2)               | ¾ (19.1)  | ⅝ (15.9)  | 13/16 (20.6)  | —       | —         | —             |
|           |                   | RLS    | 5½ (139.7)             | 1 (25.4)  | ⅝ (15.9)  | 17/16 (27.0)  | —       | —         | —             |
| 70 – 100  | 2                 | RLN    | 5½ (149.2)             | 1 (25.4)  | 1 (25.4)  | 17/16 (27.0)  | ⅜ (3.2) | ¾ (19.1)  | 17/16 (33.3)  |
|           |                   | RLS    | 7½ (200.0)             | 1¼ (31.8) | 1 (25.4)  | 17/16 (33.3)  | ⅜ (3.2) | ¾ (19.1)  | 17/16 (39.7)  |
| 110 – 200 | 2                 | RLN    | 7½ (181.0)             | 1½ (38.1) | 1⅜ (34.9) | 17/16 (39.7)  | ⅜ (4.8) | 1 (28.6)  | 17/8 (47.6)   |
|           |                   | RLS    | 9⅝ (244.5)             | 1¾ (44.5) | 1⅜ (34.9) | 127/32 (46.8) | ⅜ (4.8) | 1 (28.6)  | 23/32 (53.2)  |
| 225 – 400 | 2                 | RLN    | 8⅝ (219.1)             | 2 (50.8)  | 1 (47.6)  | 23/32 (53.2)  | ¼ (6.4) | 1⅝ (41.3) | 213/32 (61.1) |
|           |                   | RLS    | 11⅝ (295.3)            | 2½ (63.5) | 1 (47.6)  | 219/32 (65.9) | ¼ (6.4) | 1⅝ (41.3) | 27/8 (73.0)   |
| 450 – 600 | 2                 | RLN    | 10⅜ (263.5)            | 2½ (63.5) | 2¼ (57.2) | 219/32 (65.9) | ¼ (6.4) | 2 (50.8)  | 27/8 (73.0)   |
|           |                   | RLS    | 13⅜ (339.7)            | 3 (76.2)  | 2¼ (57.2) | 33/32 (78.6)  | ¼ (6.4) | 2 (50.8)  | 37/16 (87.3)  |