

Part Number: **FLNR002**

Technology: **Fuses**

Series: **FLNR**

**FLNR Series - UL Class RK5 Dual-Element Time-Delay Fuse
250 Volt**

Littelfuse FLNR series fuses have been the superior UL Class RK5 dual-element time-delay fuses, and are the most widely used class of fuses. FLNR series fuses provide excellent protection for all types of circuits especially those containing motors. However, users and specifiers should consider the significant benefits offered by Indicator fuses.

Applications:

- Service entrance switches
- Switchboard main and feeder switches
- Motor control center mains and motor branch circuits
- Individual fused combination motor controllers
- Distribution panelboards
- Industrial control panels
- Protection of fully-rated panelboards and loadcenters
- All general purpose circuits

Safety:

- 200,000 A.I.R. - Reliable interruption of all overcurrents up to 200,000 amperes.
- Faster acting short circuit protection than any non-current limiting mechanical protective device.

Reliability:

- Accurate and reliable - Automated, precision manufactured and assembled parts ensure accurate, consistent response to overloads and short circuits.

Electrical Characteristics

| Property | Value |
|------------------------|----------------------|
| Indicating | N |
| Opening Characteristic | Time Delay |
| Size | Industrial Cartridge |
| UL Class | RK5 |
| VAC (V) | 250 |
| VDC (V) | 125 |
| Current (A) | 2 |



FLNR/FLSR Class RK5 Fuses

250/600 VAC • Dual-Element, Time-Delay • 1/10 – 600 Amperes



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Applications

Service entrance switches
Switchboard main and feeder switches
Motor control center mains and motor branch circuits
Individual fused combination motor controllers
Distribution panelboards
Industrial control panels
Protection of fully rated panelboards and loadcenters
All general purpose circuits

Safety

- 200,000 A.I.R. — Reliable interruption of all overcurrents up to 200,000 amperes.
- Faster acting short-circuit protection than any non-current-limiting mechanical protective device.

Reliability

- Accurate and reliable — Automated, precision manufactured and assembled parts ensure accurate, consistent response to overloads and short-circuits.

Longer Equipment Life

- Reduced damage to equipment caused by heating and magnetic forces of short-circuits.
- Equipment runs cooler with low-resistance dual-element fuses.

Specifications

| | |
|------------------------------|------------------------------------|
| Voltage Ratings: | AC: 250 Volts (FLNR) |
| | 600 Volts (FLSR) |
| Interrupting Ratings: | DC: 125 Volts (FLNR) |
| | 300 Volts (FLSR) |
| Ampere Range: | 1/10 – 600 amperes |
| Approvals: | Standard 248-12, Class RK5 |
| | UL Listed (File No: E81895) |
| | CSA Certified (File No: LR29862) |
| | MSHA 300 Volt Listing (FLSR) |
| | QPL: Federal Specification WF-1814 |

Dimensions

Refer to FLNR_ID series for FLNR dimensions and FLSR_ID series for FLSR dimensions.

Ampere Ratings

| | | | | | | | |
|--------|--------|--------|--------|--------|----|-----|-----|
| 1/10 | 6/10 | 1 9/10 | 4 | 8 | 30 | 80 | 225 |
| 1/8 | 9/10 | 2 | 4 1/2 | 9 | 35 | 90 | 250 |
| 15/100 | 1 | 2 1/4 | 5 | 10 | 40 | 100 | 300 |
| 2/10 | 1 1/8 | 2 1/2 | 5 5/10 | 12 | 45 | 110 | 350 |
| 1/4 | 1 1/4 | 2 9/10 | 6 | 15 | 50 | 125 | 400 |
| 3/10** | 1 1/10 | 3 | 6 1/4 | 17 1/2 | 60 | 150 | 450 |
| 4/10 | 1 1/2 | 3 2/10 | 7 | 20 | 70 | 175 | 500 |
| 1/2 | 1 5/10 | 3 1/2 | 7 1/2 | 25 | 75 | 200 | 600 |

**FLNR only,

Example part number (series & amperage): FLSR100

Recommended Fuse Blocks

LR250 series (for FLNR series fuses)

LR600 series (for FLSR series fuses)

Refer to Blocks & Holders section of this catalog for additional information.