

Part Number: **FLNR020**

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)	20



FLNR/FLSR Class RK5 Fuses

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



Littelfuse FLNR/FLSR series fuses have been the superior UL Class RK5 dual-element time-delay fuses, and are the most widely used class of fuses. FLNR/FLSR 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. Complete information on these fuses may be found earlier in this section.

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)
	DC: 125 Volts (FLNR) 300 Volts (FLSR)
Interrupting Ratings:	AC: 200,000 amperes rms symmetrical DC: 20,000 amperes
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
3/10	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 6/10	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.