# Class RK5 Fuses

## FLNR_ID Series

250 V ac • Dual Element • Time Delay • 35–600 A • Indicating

## Description

The FLNR_ID Indicator™ series sets the standard for general purpose indicating fuses. The patented state-of-the-art, solid-state design provides maximum reliability and superior performance characteristics. The dual-element design ensures advanced short-circuit and overload protection. This series offers visual blown fuse indication at a glance. The use of indicator fuses reduces downtime and nuisance opening, increases safety, and saves money by cutting down on lost production time. These fuses are also available in a non-indicating version, see FLNR series.

## Features & Benefits

| FEATURES | BENEFITS |
|---|---|
| **Dual-element design** | Provides advanced short-circuit and overload protection |
| **Current limiting** | Restricts fault current to provide a high degree of circuit protection |
| **Visual Blown Fuse Indication** | Indication window turns black allowing fast and easy identification of blown fuse |

## Applications

- Service entrance switches
- Transformers
- Switchboard mains and feeders
- Motor control central mains and motor branch circuits
- All general purpose circuits

## Specifications

| | |
|---|---|
| **Voltage Rating** | Ac: 250 V<br>Dc: 125 V |
| **Ampere Range** | 35–600 A |
| **Interrupting Ratings** | Ac: 200 kA rms symmetrical; 300 kA rms symmetrical (Littelfuse self-certified)<br>Dc: 20 kA |
| **Applicable Standards** | UL 248-12, Class RK5 |
| **Country of Origin** | Mexico |


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## Certification & Compliance

| | |
|---|---|
| **UL** | UL Listed (File: E81895) |
| **CSA** | CSA Certified (File: LR29862) |

## Accessories

LFR25 series fuse holder

## Ordering Information

| AMPERE | CATALOG NUMBER | PRODUCT MARKING | PACK QUANTITY | ORDERING NUMBER | UPC | AGENCY APPROVALS | |
|---|---|---|---|---|---|---|---|
| | | | | | | UL | CSA |
| 35 | FLNR035ID | FLNR 35ID | 10 | FLNR035.TXID | 07945802380 | • | • |
| 40 | FLNR040ID | FLNR 40ID | 10 | FLNR040.TXID | 07945802381 | • | • |
| 45 | FLNR045ID | FLNR 45ID | 10 | FLNR045.TXID | 07945802382 | • | • |
| 50 | FLNR050ID | FLNR 50ID | 10 | FLNR050.TXID | 07945802383 | • | • |
| 60 | FLNR060ID | FLNR 60ID | 10 | FLNR060.TXID | 07945802384 | • | • |
| 70 | FLNR070ID | FLNR 70ID | 5 | FLNR070.VXID | 07945802385 | • | • |
| 80 | FLNR080ID | FLNR 80ID | 5 | FLNR080.VXID | 07945802386 | • | • |
| 90 | FLNR090ID | FLNR 90ID | 5 | FLNR090.VXID | 07945802387 | • | • |
| 100 | FLNR100ID | FLNR 100ID | 5 | FLNR100.VXID | 07945802388 | • | • |
| 110 | FLNR110ID | FLNR 110ID | 1 | FLNR110.XXID | 07945802389 | • | • |
| 125 | FLNR125ID | FLNR 125ID | 1 | FLNR125.XXID | 07945802390 | • | • |
| 150 | FLNR150ID | FLNR 150ID | 1 | FLNR150.XXID | 07945802391 | • | • |
| 175 | FLNR175ID | FLNR 175ID | 1 | FLNR175.XXID | 07945802392 | • | • |
| 200 | FLNR200ID | FLNR 200ID | 1 | FLNR200.XXID | 07945802393 | • | • |
| 225 | FLNR225ID | FLNR 225ID | 1 | FLNR225.XXID | 07945802394 | • | • |
| 250 | FLNR250ID | FLNR 250ID | 1 | FLNR250.XXID | 07945802395 | • | • |
| 300 | FLNR300ID | FLNR 300ID | 1 | FLNR300.XXID | 07945802396 | • | • |
| 350 | FLNR350ID | FLNR 350ID | 1 | FLNR350.XXID | 07945802397 | • | • |
| 400 | FLNR400ID | FLNR 400ID | 1 | FLNR400.XXID | 07945802398 | • | • |
| 450 | FLNR450ID | FLNR 450ID | 1 | FLNR450.XXID | 07945802399 | • | • |
| 500 | FLNR500ID | FLNR 500ID | 1 | FLNR500.XXID | 07945802400 | • | • |
| 600 | FLNR600ID | FLNR 600ID | 1 | FLNR600.XXID | 07945802401 | • | • |


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## Dimensions

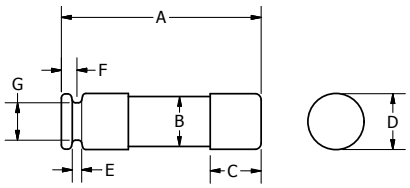


FIG. 1

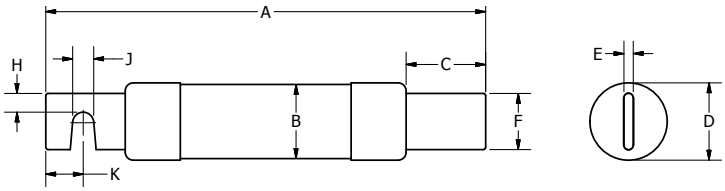


FIG. 2

| AMPS | FIGURE NUMBER | DIMENSIONS INCHES (MM) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | B | C | D | E | F | G | H | J | K |
| 35–60 | 1 | 3.00 (76.2) | 0.76 (19.2) | 0.63 (15.9) | 0.81 (20.7) | 0.09 (2.4) | 0.19 (4.7) | 0.63 (15.9) | - | - | - |
| 70–100 | 2 | 5.88 (149.2) | 1 (25.1) | 1.06 (27.0) | 1.03 (26.2) | 0.13 (3.2) | 0.75 (19.1) | - | 0.25 (6.4) | 0.28 (7.1) | 0.50 (12.7) |
| 110–200 | 2 | 7.13 (181) | 1.50 (37.9) | 1.47 (37.3) | 1.54 (39.0) | 0.19 (4.8) | 1.13 (28.6) | - | 0.44 (11.1) | 0.28 (7.1) | 0.69 (17.5) |
| 225–400 | 2 | 8.63 (219.1) | 2 (50.4) | 1.94 (49.2) | 2.00 (50.8) | 0.25 (6.4) | 1.63 (41.3) | - | 0.63 (15.9) | 0.41 (10.3) | 0.94 (23.8) |
| 450–600 | 2 | 10.38 (263.5) | 2.50 (63.1) | 2.38 (60.3) | 2.54 (64.6) | 0.25 (6.4) | 2 (50.8) | - | 0.75 (19.1) | 0.53 (13.5) | 1.13 (28.6) |

## Current-Limiting Effects of FLNR_ID Fuses

| SHORT CIRCUIT CURRENT* | APPARENT RMS SYMMETRICAL CURRENT FOR VARIOUS FUSE RATINGS | | | | | |
|---|---|---|---|---|---|---|
| | 30 A | 60 A | 100 A | 200 A | 400 A | 600 A |
| 5,000 | 1,400 | 2,100 | 3,100 | 5,000 | 5,000 | 5,000 |
| 10,000 | 1,550 | 2,500 | 3,900 | 6,500 | 9,500 | 10,000 |
| 15,000 | 2,000 | 3,150 | 4,400 | 7,250 | 10,500 | 14,000 |
| 20,000 | 2,250 | 3,400 | 5,000 | 8,250 | 12,000 | 16,000 |
| 25,000 | 2,400 | 3,750 | 5,250 | 9,000 | 12,500 | 16,500 |
| 30,000 | 2,550 | 4,100 | 5,600 | 9,500 | 13,500 | 18,000 |
| 35,000 | 2,650 | 4,300 | 5,800 | 9,750 | 14,000 | 19,000 |
| 40,000 | 2,800 | 4,400 | 6,250 | 10,250 | 15,000 | 20,000 |
| 50,000 | 3,000 | 5,000 | 6,500 | 10,500 | 16,000 | 21,000 |
| 60,000 | 3,200 | 5,250 | 7,000 | 11,500 | 17,000 | 23,000 |
| 80,000 | 3,400 | 5,750 | 7,500 | 12,500 | 19,000 | 25,500 |
| 100,000 | 3,850 | 6,000 | 8,000 | 13,500 | 21,000 | 27,500 |
| 150,000 | 4,100 | 7,000 | 9,000 | 15,200 | 24,000 | 31,500 |
| 200,000 | 4,300 | 7,500 | 9,750 | 16,500 | 26,000 | 34,000 |

*Prospective RMS Symmetrical Amperes Short-Circuit Current

*Note: Data Derived from Peak Let-Thru Curves*


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