



**THE DATASHEET OF
LNRK045.T**



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

Class RK5 Fuses

FLNR_ID Series

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	•	•

Class RK5 Fuses

FLNR_ID Series

Dimensions

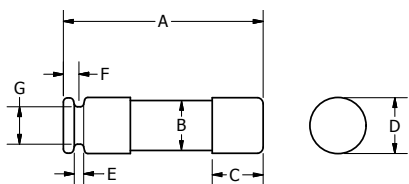


FIG. 1

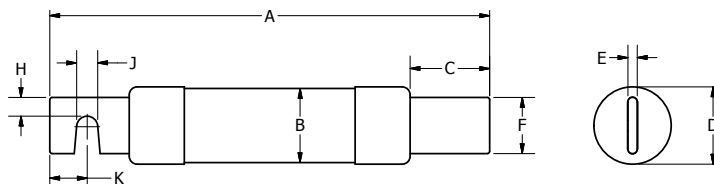


FIG. 2

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

Disclaimer Notice – Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at www.littelfuse.com/product-disclaimer.

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View LNRK045.T on WIN SOURCE](#)

 [Littelfuse Inc. Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management