

FUSE CLASS AND SELECTION CHART

UL CLASS	LITTELFUSE SERIES	OVERLOAD CHARACTERISTICS	AC RATINGS			DC RATINGS			RECOMMENDED ACCESSORIES
			VOLTAGE (VOLTS)	CURRENT (AMPERES)	INTERRUPTING (AMPERES)	VOLTAGE (VOLTS)	CURRENT (AMPERES)	INTERRUPTING (AMPERES)	
 L	KLPC	Time-Delay	600	200–6000	200 K/300 K*	480	200–6000	20,000*	—
	KLLU	Time-Delay	600	601–4000	200,000	300	601–4000	20,000*	
	LDC	Fast-Acting	600	150–2000	200,000	600	150–2000	50,000	
 RK1	LLNRK	Time-Delay	250	0.1–600	200 K/300 K*	125	0.1–600	20,000*	LFR25
	LLSRK_ID	Time-Delay	600	0.1–600		300	0.1–600		LFR60
	LLSRK	Time-Delay	600	0.1–600		300	0.1–600		LFR60
	KLNR	Fast-Acting	250	1–600	200,000	125	1–600		LFR25
	KLSR	Fast-Acting	600	1–600		250 300	1–30 35–600		LFR60
 RK5	FLNR_ID	Time-Delay	250	35–600	200 K/300 K*	125	35–600	20,000	LFR25
	FLNR		250	0.1–600		125	0.1–600		
	FLSR_ID		600	0.1–600		300	0.1–600		LFR60
	FLSR		600	0.1–600		300	0.1–600		
	IDSR		600	0.1–600		600	0.1–600		
 J	JTD_ID	Time-Delay	600	0.8–600	200 K/300 K*	300	0.8–100	20,000*	LFJ60 • LFPJSJ
	JTD	Time-Delay	600	0.8–600		500	110–600		
	JLS	Fast-Acting	600	1–600	200,000	—	—	—	
 T	JLLN	Fast-Acting	300	1–1200	200,000	160 125	1–60 70–1200	20 K (1–30 A)* 20 K (35–1200 A)	LFT30 • LSCR (700–800 A)
	JLLS		600	1–1200		300	1–1200	20 K (1–1200 A)*	LFT60 • LSCR (700–800 A)
 CC	CCMR	Time-Delay	600	0.2–30	200 K/300 K*	300 500	2/10–10 12–30	20,000*	L60030C LFPSC LPSC • 571 572 LEC • LEY
	KLDR	Time-Delay	600	0.1–30	200,000	300	0.1–30		
	KLKR	Fast-Acting	600	0.1–30	200,000	300	0.1–30		
 CD	CCMR	Time-Delay	600	35–60	200 K/300 K*	250	35–60	20,000*	LFC60060
 G	SLC	Time-Lag	600 480	0.5–20 25–60	100,000	170	0.5–60	10,000*	LFG600 (½–20 A) LFG480 (25–60 A)
 K5	NLN	Fast-Acting	250	1–600	50,000	250	1–600	20 K (1–60 A) 50 K (70–600 A)	LFH25
	NLS		600	1–600		600 500 400 600 500	1–7 8–30 35–60 70–200 225–600	20 K (1–60 A) 50 K (70–600 A)	LFH60

* Littelfuse self-certified

CLASS K5 - NLN / NLS SERIES (ONE-TIME) FUSES

250/600 Vac • “One-Time” • 1–600 A



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UL Class K5 Fuses



Description

NLN/NLS fuses provide low cost protection for general purpose feeder and branch circuits when available short circuit currents are less than 50 kA.

Applications

- General purpose residential and commercial circuits with little or no motor load.

Features/Benefits

- Economical
- 50 kA interrupting rating
- Indicating and DIN mount holders available

Dimensions

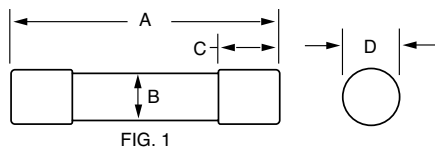


FIG. 1

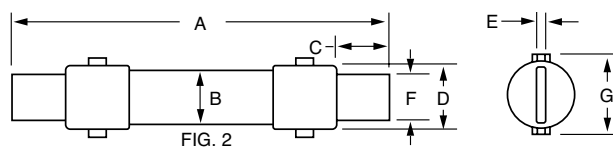


FIG. 2

AMPERES	REFER TO FIG. NO.	SERIES	DIMENSIONS INCHES (mm)						
			A	B	C	D	E	F	G
1 – 30	1	NLN	2 (50.8)	½ (12.7)	½ (12.7)	⅞ (14.3)	—	—	—
		NLS	5 (127.0)	¾ (19.1)	⅝ (15.9)	1⅜ (20.6)	—	—	—
35 – 60	1	NLN	3 (76.2)	¾ (19.1)	⅝ (15.9)	1⅜ (20.6)	—	—	—
		NLS	5½ (139.7)	1 (25.4)	⅝ (15.9)	1⅞ (27.0)	—	—	—
70 – 100	2	NLN	5½ (149.2)	1 (25.4)	1 (25.4)	1⅞ (27.0)	⅞ (3.2)	¾ (19.1)	1⅝ (33.3)
		NLS	7⅞ (200.0)	1¼ (31.8)	1 (25.4)	1⅞ (33.3)	⅞ (3.2)	¾ (19.1)	1⅞ (39.7)
110 – 200	2	NLN	7⅞ (181.0)	1½ (38.1)	1⅞ (34.9)	1⅞ (39.7)	¾ (4.8)	1⅞ (28.6)	1⅞ (47.6)
		NLS	9⅝ (244.5)	1¾ (44.5)	1⅞ (34.9)	1⅞ (46.8)	¾ (4.8)	1⅞ (28.6)	2⅜ (53.2)
225 – 400	2	NLN	8⅝ (219.1)	2 (50.8)	1⅞ (47.6)	2⅜ (53.2)	¾ (6.4)	1⅞ (41.3)	2⅜ (61.1)
		NLS	11⅝ (295.3)	2½ (63.5)	1⅞ (47.6)	2⅞ (65.9)	¾ (6.4)	1⅞ (41.3)	2⅞ (73.0)
450 – 600	2	NLN	10⅜ (263.5)	2½ (63.5)	2¼ (57.2)	2⅞ (65.9)	¾ (6.4)	2 (50.8)	2⅞ (73.0)
		NLS	13⅜ (339.7)	3 (76.2)	2¼ (57.2)	3⅜ (78.6)	¾ (6.4)	2 (50.8)	3⅞ (87.3)

Specifications

Voltage Ratings

Ac: 250 V (NLN)
600 V (NLS)
Dc: 250 V (NLN)
400 V (NLS 35 – 60 A)
500 V (NLS 8 – 30 A) (NLS 225 – 600 A)
600 V (NLS 1 – 7 A) (NLS 70 – 200 A)

Interrupting Ratings

Ac: 50 kA rms symmetrical (NLN/NLS)
Dc: 20 kA (NLN/NLS 1 – 60 A)
50 kA (NLN/NLS 70 – 600 A)

Ampere Range

1 – 600 A (NLN/NLS)

Approvals

NLN/NLS: Standard 248-9, Class K5
UL Listed (File: E81895)
CSA Certified (File: LR29862)
CE Compliant (NLN series only)
RoHS compliant (NLN series only)

Environmental

Ordering Information

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

SERIES	AMPERAGE	CATALOG NUMBER	ORDERING NUMBER
NLS	20	NLS020	ONLS020.T
NLN	15	NLN015	ONLN015.T

Web Resources

Download TC Curves, CAD drawings and other technical information: littelfuse.com/nln
littelfuse.com/nls

Recommended Fuse Holders

LFH60 Series • LFH25 Series