

NLN/NLS Class K5 Fuses

250/600 VAC ■ “ONE-TIME” ■ 1 – 600 Amperes



GENERAL
PURPOSE
FUSES



NLN and NLS series fuses provide low cost protection for general purpose feeder and branch circuits when available short circuit currents are less than 50,000 amperes. They replace all Class H fuses which have only a 10,000 ampere interrupting rating. They are suitable for use in many residential and smaller commercial and industrial applications.

NLKP series fuses are Canadian “Code” fuses specifically designed to meet Canadian Electrical Code Type P fuse requirements for residential use. They have a 10,000 ampere interrupting rating.

However, to obtain the added benefits of time-delay, current-limitation, and higher interrupting rating, consider the use of POWR-PRO® IDSR Indicator™ fuses for circuits between 250 and 600 volts. The user gets all the benefits of time-delay RK5 fuses plus the added benefits of an indicating fuse that tells when it has opened. Complete information on these fuses may be found in the POWR-PRO® section of this catalog. For circuits up to 250 volts, see FLNR fuses in this section of the catalog.

APPLICATIONS

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

Resistive heating loads.

ECONOMICAL

- For use in applications where lowest initial cost is the major consideration.

SAFETY

- 50,000 A.I.R., Class K5 — Adequate interrupting capacity for residences and many smaller facilities.

SPECIFICATIONS

Voltage ratings: AC: 250 Volts (NLN, NLKP)
600 Volts (NLS)
DC: 250 Volts (NLN)
400 Volts (NLS 35 – 60A)
500 Volts (NLS 8 – 15A)
(NLS 225 – 600A)
600 Volts (NLS 1 – 7A)
(NLS 20 – 30A)
(NLS 70 – 200A)

Interrupting ratings:

AC: 50,000 amperes rms symmetrical (NLN/NLS)
10,000 amperes (NLKP)
DC: 20,000 amperes (NLN/NLS 1 – 60A)
50,000 amperes (NLN/NLS 70 – 600A)

Ampere range: 1– 600 amperes (NLN/NLS)
15 – 60 amperes (NLKP)

Approvals: NLN/NLS: UL Listed Class K5 per UL 248
(formerly UL 198D)
(File No. E81895)

NLKP: UL Listed Class H (File No. E81895)

NLN**/NLS/NLKP: CSA Certified per Spec No. 59.1
(File No. LR29865)‡

‡ NLKP series fuses meet CSA “Type P” requirements.

** Excludes NLN 15 – 60A

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

* NLKP series available only in those amperages preceded by an asterisk.

Example part number (series & amperage): NLS 125

RECOMMENDED FUSE BLOCKS

LH250 series (for NLN and NLKP series fuses)

LH600 series (for NLS series fuses)

Refer to Fuse Block section of this catalog for additional information.

NOTE: NLKP series fuses have limited interrupting rating and should be used only where available short circuit current is known to be less than the fuse interrupting rating. Where available fault current is unknown, where it exceeds NLN/NLS interrupting rating, or where it may increase in the future, 200,000 ampere interrupting rating Littelfuse POWR-PRO™ IDSR Indicator™ fuses and FLNR/FLSR series fuses provide superior protection for all motor and general purpose circuits containing inductive loads.

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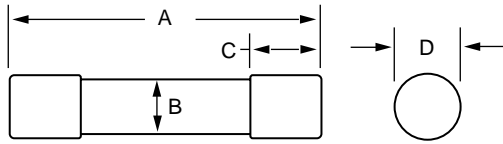


FIG. 1

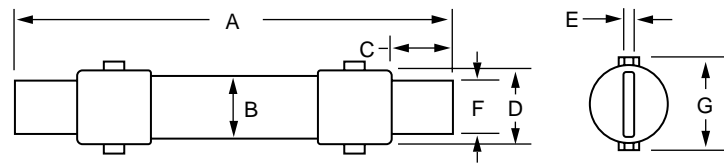


FIG. 2



AMPERES	REFER TO FIG. NO.	SERIES	DIMENSIONS IN INCHES (mm in parentheses)						
			A	B	C	D	E	F	G
1 – 30	1	NLN NLKP	2 (50.8)	1/2 (12.7)	1/2 (12.7)	9/16 (14.3)	—	—	—
		NLS	5 (127.0)	3/4 (19.1)	5/8 (15.9)	13/16 (20.6)	—	—	—
35 – 60	1	NLN NLKP	3 (76.2)	3/4 (19.1)	5/8 (15.9)	13/16 (20.6)	—	—	—
		NLS	5-1/2 (139.7)	1 (25.4)	5/8 (15.9)	1-1/16 (27.0)	—	—	—
70 – 100	2	NLN	5-7/8 (149.2)	1 (25.4)	1 (25.4)	1-1/16 (27.0)	1/8 (3.2)	3/4 (19.1)	1-5/16 (33.3)
		NLS	7-7/8 (200.0)	1-1/4 (31.8)	1 (25.4)	1-5/16 (33.3)	1/8 (3.2)	3/4 (19.1)	1-9/16 (39.7)
110 – 200	2	NLN	7-1/8 (181.0)	1-1/2 (38.1)	1-3/8 (34.9)	1-9/16 (39.7)	3/16 (4.8)	1-1/8 (28.6)	1-7/8 (47.6)
		NLS	9-5/8 (244.5)	1-3/4 (44.5)	1-3/8 (34.9)	1-27/32 (46.8)	3/16 (4.8)	1-1/8 (28.6)	2-3/32 (53.2)
225 – 400	2	NLN	8-5/8 (219.1)	2 (50.8)	1-7/8 (47.6)	2-3/32 (53.2)	1/4 (6.4)	1-5/8 (41.3)	2-13/32 (61.1)
		NLS	11-5/8 (295.3)	2-1/2 (63.5)	1-7/8 (47.6)	2-19/32 (65.9)	1/4 (6.4)	1-5/8 (41.3)	2-7/8 (73.0)
450 – 600	2	NLN	10-3/8 (263.5)	2-1/2 (63.5)	2-1/4 (57.2)	2-19/32 (65.9)	1/4 (6.4)	2 (50.8)	2-7/8 (73.0)
		NLS	13-3/8 (339.7)	3 (76.2)	2-1/4 (57.2)	3-3/32 (78.6)	1/4 (6.4)	2 (50.8)	3-7/16 (87.3)

