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

250/600 VAC • “One-Time” • 1-600 A



## 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.

Canadian Electrical Code NLKP Type P fuse available. See Web Resources links for more information.

## 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)	9/16 (14.3)	—	—	—
		NLS	5 (127.0)	¾ (19.1)	5/8 (15.9)	13/16 (20.6)	—	—	—
35 – 60	1	NLN	3 (76.2)	¾ (19.1)	5/8 (15.9)	13/16 (20.6)	—	—	—
		NLS	5½ (139.7)	1 (25.4)	5/8 (15.9)	1½ (27.0)	—	—	—
70 – 100	2	NLN	5¾ (149.2)	1 (25.4)	1 (25.4)	1½ (27.0)	1/8 (3.2)	¾ (19.1)	1½ (33.3)
		NLS	7¾ (200.0)	1¼ (31.8)	1 (25.4)	1¾ (33.3)	1/8 (3.2)	¾ (19.1)	1¾ (39.7)
110 – 200	2	NLN	7¾ (181.0)	1½ (38.1)	1¾ (34.9)	1¾ (39.7)	3/16 (4.8)	1½ (28.6)	1¾ (47.6)
		NLS	9¾ (244.5)	1¾ (44.5)	1¾ (34.9)	1¾ (46.8)	3/16 (4.8)	1½ (28.6)	2¾ (53.2)
225 – 400	2	NLN	8¾ (219.1)	2 (50.8)	1¾ (47.6)	2¾ (53.2)	¼ (6.4)	1½ (41.3)	2¼ (61.1)
		NLS	11¾ (295.3)	2½ (63.5)	1¾ (47.6)	2¾ (65.9)	¼ (6.4)	1½ (41.3)	2¾ (73.0)
450 – 600	2	NLN	10¾ (263.5)	2½ (63.5)	2¼ (57.2)	2¾ (65.9)	¼ (6.4)	2 (50.8)	2¾ (73.0)
		NLS	13¾ (339.7)	3 (76.2)	2¼ (57.2)	3¾ (78.6)	¼ (6.4)	2 (50.8)	3¾ (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)

## 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

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

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

## Web Resources

TC Curves, downloadable CAD drawings and other technical information: [www.littelfuse.com/nln](http://www.littelfuse.com/nln)

[www.littelfuse.com/nls](http://www.littelfuse.com/nls)

[www.littelfuse.com/nlkp](http://www.littelfuse.com/nlkp)

## Recommended Fuse Holders

LFH60 Series • LFH25 Series