

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

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 No. E81895) CSA Certified (File No. 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
www.littelfuse.com/nls
www.littelfuse.com/nlkp

Recommended Fuse Holders

L FH60 Series	86
L FH25 Series	86

Dimensions

Please refer to the Class K/H dimensions 22

RLN/RLS SERIES RENEWABLE FUSES AND LKN/LKS LINKS

250/600 VAC • Renewable • 1-600 A



Class K/H Fuses 1



Description

Littelfuse RLN and RLS series renewable fuses have traditionally been used to provide low cost protection. However, generally increased levels of available fault current and the distinct possibility that renewable fuses may be improperly renewed, have rendered them unsafe. The use of these fuses in new applications is prohibited by law.

Specifications

Voltage Ratings AC: 250 V (RLN); 600 V (RLS)
Interrupting Ratings AC: 10 kA rms symmetrical
Ampere Range 1–600 A
Approvals Standard 248-6, Class H
 UL Listed (File No. E81895)
 CSA Certified (File No. LR29862)
Fuse Links To order, specify LKN (250V) or LKS (600V) plus ampere rating.

Guide For Proper Renewable Fuse Usage

Renewable fuses should only be used where short-circuit currents are known to be less than 10,000 amperes, and where correct replacement of open links is assured. Renewable fuses and links are not recommended for new applications.

Still Using Class H Fuses?

Littelfuse offers several fuse and fuse block combinations that can greatly improve electrical safety.

LLNRK/LLSRK.....	14
FLNR/FLSR fuses	18
LFR fuse holders	86

Ordering Information

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

*RLS only.
 †These ampere ratings require two links per fuse.

TYPE	VOLTAGE	CATALOG NUMBER	ORDERING NUMBER
FUSE	600	RLS020	ORLS020.T
FUSE	250	RLN020	ORLN020.T
LINK	600	LKS025	OLKS025.S
LINK	250	LKN030	OLKN030.S

Class K/H Dimensions

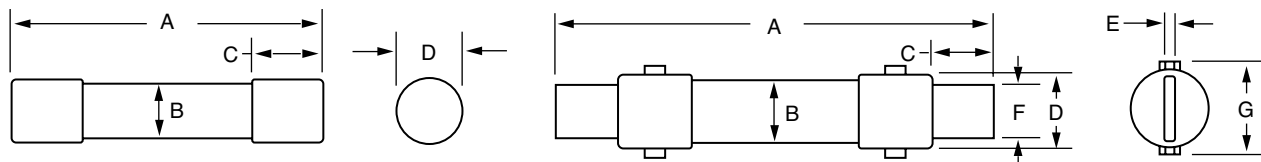


FIG. 1

FIG. 2

AMPERES	REFER TO FIG. NO.	SERIES	DIMENSIONS INCHES (mm)						
			A	B	C	D	E	F	G
1 – 30	1	NLN/RLN	2 (50.8)	½ (12.7)	½ (12.7)	⅜ (14.3)	—	—	—
		NLS/RLS	5 (127.0)	¾ (19.1)	⅝ (15.9)	13/16 (20.6)	—	—	—
35 – 60	1	NLN/RLN	3 (76.2)	¾ (19.1)	⅝ (15.9)	13/16 (20.6)	—	—	—
		NLS/RLS	5½ (139.7)	1 (25.4)	⅝ (15.9)	1¼ (27.0)	—	—	—
70 – 100	2	NLN/RLN	5½ (149.2)	1 (25.4)	1 (25.4)	1¼ (27.0)	⅝ (3.2)	¾ (19.1)	1⅝ (33.3)
		NLS/RLS	7⅞ (200.0)	1¼ (31.8)	1 (25.4)	1⅝ (33.3)	⅝ (3.2)	¾ (19.1)	1⅝ (39.7)
110 – 200	2	NLN/RLN	7⅞ (181.0)	1½ (38.1)	1⅝ (34.9)	1⅞ (39.7)	¾ (4.8)	1⅞ (28.6)	1⅞ (47.6)
		NLS/RLS	9⅝ (244.5)	1¾ (44.5)	1⅝ (34.9)	127/32 (46.8)	¾ (4.8)	1⅞ (28.6)	2⅜ (53.2)
225 – 400	2	NLN/RLN	8⅝ (219.1)	2 (50.8)	1⅞ (47.6)	2⅜ (53.2)	¾ (6.4)	1⅞ (41.3)	2⅜ (61.1)
		NLS/RLS	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/RLN	10⅝ (263.5)	2½ (63.5)	2¼ (57.2)	2⅞ (65.9)	¾ (6.4)	2 (50.8)	2⅞ (73.0)
		NLS/RLS	13⅝ (339.7)	3 (76.2)	2¼ (57.2)	3⅜ (78.6)	¾ (6.4)	2 (50.8)	3⅞ (87.3)