

RLN/RLS SERIES RENEWABLE FUSES AND LKN/LKS LINKS

250/600 VAC • Renewable • 1-600 A



Class K/H Fuses 1



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

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.

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

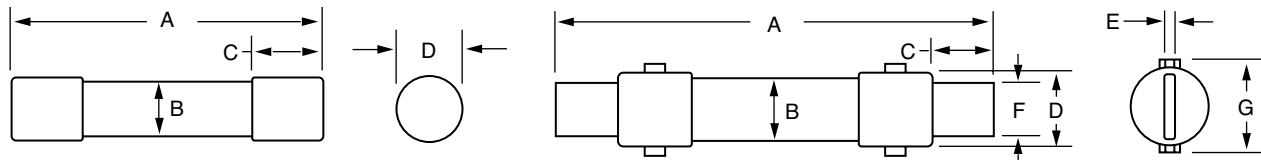


FIG. 1

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)	1½ (27.0)	—	—	—
70 – 100	2	NLN/RLN	5½ (149.2)	1 (25.4)	1 (25.4)	1½ (27.0)	⅝ (3.2)	¾ (19.1)	1½ (33.3)
		NLS/RLS	7½ (200.0)	1¼ (31.8)	1 (25.4)	1½ (33.3)	⅝ (3.2)	¾ (19.1)	1½ (39.7)
110 – 200	2	NLN/RLN	7½ (181.0)	1½ (38.1)	1¾ (34.9)	1¾ (39.7)	¾ (4.8)	1½ (28.6)	1¾ (47.6)
		NLS/RLS	9½ (244.5)	1¾ (44.5)	1¾ (34.9)	1¾ (46.8)	¾ (4.8)	1½ (28.6)	2½ (53.2)
225 – 400	2	NLN/RLN	8½ (219.1)	2 (50.8)	1¾ (47.6)	2¾ (53.2)	¾ (6.4)	1½ (41.3)	2½ (61.1)
		NLS/RLS	11½ (295.3)	2½ (63.5)	1¾ (47.6)	2¾ (65.9)	¾ (6.4)	1½ (41.3)	2¾ (73.0)
450 – 600	2	NLN/RLN	10¾ (263.5)	2½ (63.5)	2¼ (57.2)	2¾ (65.9)	¾ (6.4)	2 (50.8)	2¾ (73.0)
		NLS/RLS	13¾ (339.7)	3 (76.2)	2¼ (57.2)	3¾ (78.6)	¾ (6.4)	2 (50.8)	3¼ (87.3)

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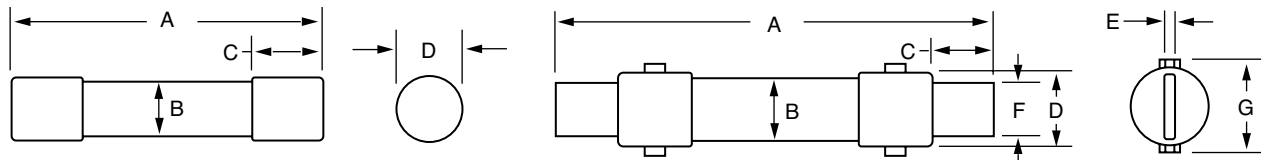


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		NLS/RLS	5½ (139.7)	1 (25.4)	⅝ (15.9)	1⅛ (27.0)	—	—	—
70 – 100	2	NLN/RLN	5½ (149.2)	1 (25.4)	1 (25.4)	1⅛ (27.0)	⅝ (3.2)	¾ (19.1)	1⅝ (33.3)
		NLS/RLS	7⅞ (200.0)	1¼ (31.8)	1 (25.4)	1⅝ (33.3)	⅝ (3.2)	¾ (19.1)	1⅝ (39.7)
110 – 200	2	NLN/RLN	7⅞ (181.0)	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)	⅞ (6.4)	1⅞ (41.3)	2⅜ (61.1)
		NLS/RLS	11⅝ (295.3)	2½ (63.5)	1⅞ (47.6)	2⅞ (65.9)	⅞ (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)	⅞ (6.4)	2 (50.8)	2⅞ (73.0)
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