

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

250/600 V ac • “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.

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



| 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 | 5 ½ (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) | ¾ (19.1) | 1 5/16 (33.3) |
| | | NLS | 7 7/8 (200.0) | 1 ¼ (31.8) | 1 (25.4) | 1 5/16 (33.3) | 1/8 (3.2) | ¾ (19.1) | 1 9/16 (39.7) |
| 110 – 200 | 2 | NLN | 7 1/8 (181.0) | 1 ½ (38.1) | 1 3/8 (34.9) | 1 1/16 (39.7) | 3/16 (4.8) | 1 1/8 (28.6) | 1 7/8 (47.6) |
| | | NLS | 9 5/8 (244.5) | 1 ¾ (44.5) | 1 3/8 (34.9) | 1 7/16 (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) | ¼ (6.4) | 1 5/8 (41.3) | 2 13/32 (61.1) |
| | | NLS | 11 5/8 (295.3) | 2 ½ (63.5) | 1 7/8 (47.6) | 2 19/32 (65.9) | ¼ (6.4) | 1 5/8 (41.3) | 2 7/8 (73.0) |
| 450 – 600 | 2 | NLN | 10 3/8 (263.5) | 2 ½ (63.5) | 2 ¼ (57.2) | 2 19/32 (65.9) | ¼ (6.4) | 2 (50.8) | 2 7/8 (73.0) |
| | | NLS | 13 3/8 (339.7) | 3 (76.2) | 2 ¼ (57.2) | 3 3/32 (78.6) | ¼ (6.4) | 2 (50.8) | 3 7/16 (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 |

| 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
littelfuse.com/nlkp

Recommended Fuse Holders

LFH60 Series • LFH25 Series

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Electrical Specification chart

| CATALOG NUMBER | AMPERAGE RATING | VOLTAGE RATING | | INTERRUPT RATING | | TOTAL CLEARING I ² T (A2s) |
|----------------|-----------------|----------------|-----|------------------|-------|---------------------------------------|
| | | AC | DC | AC | DC | 200 kA @ 600V |
| ONLS015.T | 15 | 600 | 500 | 200 kA | 20 kA | 4940 |
| ONLS030.T | 30 | 600 | 500 | 200 kA | 20 kA | 21600 |
| ONLS060.T | 60 | 600 | 400 | 200 kA | 20 kA | 164000 |
| ONLS100.V | 100 | 600 | 600 | 200 kA | 20 kA | 158000 |
| ONLS200.X | 200 | 600 | 600 | 200 kA | 20 kA | 371000 |
| ONLS400.X | 400 | 600 | 500 | 200 kA | 20 kA | 1510000 |
| ONLS600.X | 600 | 600 | 500 | 200 kA | 20 kA | 6920000 |

| CATALOG NUMBER | AMPERAGE RATING | VOLTAGE RATING | | INTERRUPT RATING | | TOTAL CLEARING I ² T (A2s) |
|----------------|-----------------|----------------|-----|------------------|-------|---------------------------------------|
| | | AC | DC | AC | DC | 200 kA @ 600V |
| ONLN015.T | 15 | 250 | 250 | 200 kA | 20 kA | 634 |
| ONLN100.V | 100 | 250 | 250 | 200 kA | 20 kA | 50000 |
| ONLN200.X | 200 | 250 | 250 | 200 kA | 20 kA | 260000 |
| ONLN400.X | 400 | 250 | 250 | 200 kA | 20 kA | 1510000 |
| ONLN600.X | 600 | 250 | 250 | 200 kA | 20 kA | 4846000 |

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