

**KLPC SERIES POWR-PRO® FUSES**

**POWR-PRO®** 600 Vac • Time-Delay • 200-6000 A



UL Class L Fuses

**Ordering Information**

AMPERE RATINGS					
200	500	800	1350	2000	3000
250	600	900	1400	2100	3500
300	601	1000	1500	2200	4000
350	650	1100	1600	2300	4500
400	700	1200	1800	2400	5000
450	750	1300	1900	2500	6000

SERIES	AMPERAGE	CATALOG NUMBER	ORDERING NUMBER
KLPC	800	KLPC800	KLPC800.X

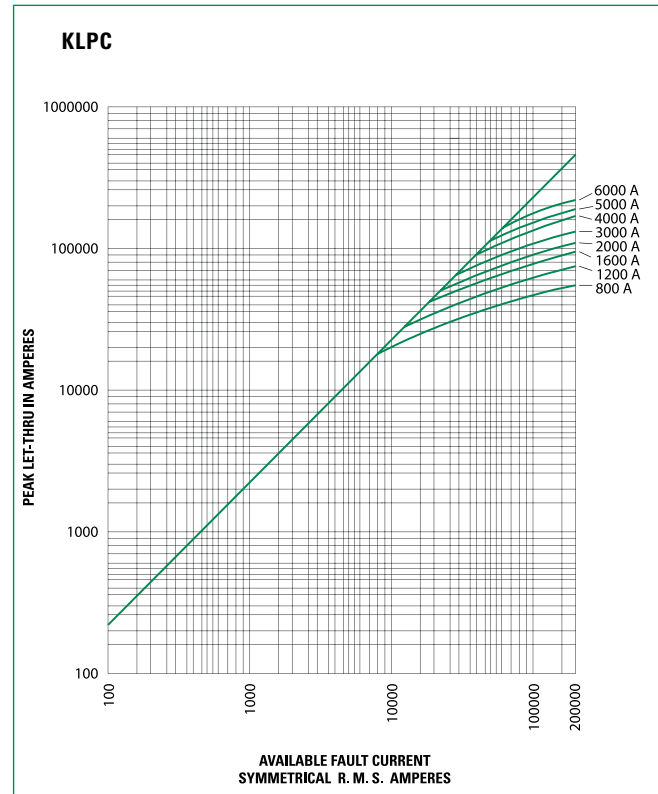
**Web Resources**

Download TC Curves, CAD drawings and other technical information: [littelfuse.com/klpc](http://littelfuse.com/klpc)

**Dimensions**

Please refer to the Class L dimensions ..... 12

**Peak Let-Thru Curve**



Note: For more information, see Peak Let-Thru Table on pg. 11

**Description**

KLPC series POWR-PRO® fuses meet or exceed the most stringent project specifications, including silver links, silver-plated copper end bells, glass-reinforced melamine bodies, O-ring seals between body and end bells, and granular quartz fillers.

**Applications**

- Switchboard mains and feeders
- Motor control center mains
- Large motor branch circuits
- Protection of power circuit breakers

**Features/Benefits**

- POWR-PRO® Performance
- Best-in-class time-delay withstand
- Current-Limiting
- Easily coordinated with other system components
- 300 kA AC Interrupting Rating (self-certified)

**Specifications**

- Voltage Ratings** AC: 600 Vac or less  
DC: 480 V
- Ampere Range** 200 – 6000 A
- Interrupting Ratings** AC: 200 kA rms symmetrical  
300 kA rms symmetrical (Littelfuse self-certified)  
DC: 20,000 A
- Approvals** AC: Standard 248-10, Class L  
UL Listed 601–6000 A (File: E81895)  
UL Recognized 200–600 A (File: E71611)  
CSA Certified 601–6000 A (File: LR29862)  
Federal Specifications 700–6000 A (QPL-W-F-1814)  
DC: Littelfuse self-certified
- Material** Melamine body, Copper caps (silver plated)
- Country of Origin** Mexico

# KLLU SERIES FUSES

600 Vac • Time-Delay • 601-4000 A



## Description

KLLU series fuses meet or exceed UL requirements for UL Class L fuses. The KLLU series offers an economical alternative to KLPC POWR-PRO® fuse with a slightly higher peak let through current.

## Applications

- Service switches
- Switchboard mains and feeders
- Motor control center mains
- Large motor branch circuits
- Circuit breaker protection

## Features/Benefits

- Current-Limiting
- Easily coordinated with other system components
- 200 kA AC Interrupting Rating

## Specifications

<b>Voltage Ratings</b>	AC: 600 Vac or less DC: 300 V
<b>Ampere Range</b>	601–4000 A
<b>Interrupting Ratings</b>	AC: 200 kA rms symmetrical DC: 20 kA rms symmetrical Standard 248-10, Class L UL Listed (File: E81895) CSA Certified (File: LR29862)
<b>Approvals</b>	DC: Littelfuse self-certified
<b>Material</b>	Melamine body, Copper caps (silver plated)
<b>Country of Origin</b>	Mexico

## Ordering Information

AMPERE RATINGS					
601	750	1000	1400	1800	3000
650	800	1200	1500	2000	3500
700	900	1350	1600	2500	4000

SERIES	AMPERAGE	CATALOG NUMBER	ORDERING NUMBER
KLLU	601	KLLU601	KLLU601.X

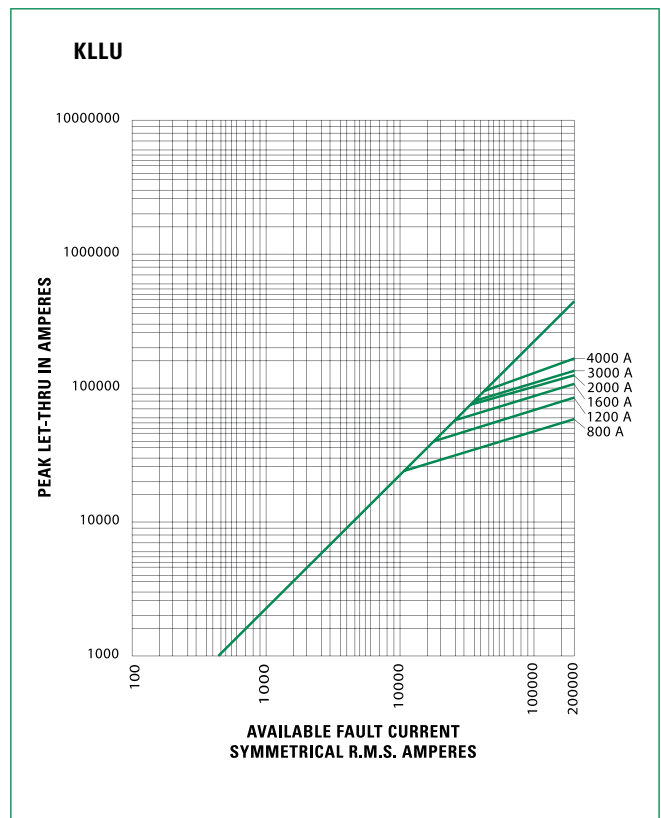
## Web Resources

Download TC Curves, CAD drawings and other technical information: [littelfuse.com/kllu](http://littelfuse.com/kllu)

## Dimensions

Please refer to the Class L dimensions ..... 12

## Peak Let-Thru Curve



Note: For more information, see Peak Let-Thru Table on pg. 11

**LDC SERIES POWR-PRO® FUSES**

**POWR-PRO®** 600 Vac/dc • Fast Acting • 150-2000 A



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UL Class L Fuses



**Description**

High DC voltage and interrupting ratings make the POWR-PRO® LDC ideal for DC applications. The DC interrupting performance exceeds UL listing requirements.

**Applications**

- Solar inverter and array protection
- UPS protection especially for large battery circuits
- DC distribution and variable speed drives
- Mass transit systems

**Features/Benefits**

- POWR-PRO® Performance
- Extremely Current-Limiting
- 600 Vac/dc rated
- 200 kA AC Interrupting Rating
- 50 kA DC Interrupting Rating

**Specifications**

<b>Voltage Ratings</b>	600 Vac/dc or less
<b>Ampere Range</b>	150–2000 A
<b>Interrupting Ratings</b>	AC: 200 kA rms symmetrical DC: 50 kA
<b>Time Constant</b>	16 ms
<b>Approvals</b>	Standard 248-10, Class L UL Listed 601–2000 A (File: E81895) UL Recognized 150–600 A (File: E71611) CSA Certified (File: LR29862)
<b>Material</b>	Melamine body, Copper caps (silver plated)
<b>Country of Origin</b>	Mexico

**Ordering Information**

AMPERE RATINGS				
150	450	750	1201	1601
200	500	800	1300	1800
250	600	900	1350	1900
300	601	1000	1400	2000
350	650	1100	1500	
400	700	1200	1600	

SERIES	AMPERAGE	CATALOG NUMBER	ORDERING NUMBER
LDC	700	LDC700	0LDC700.X

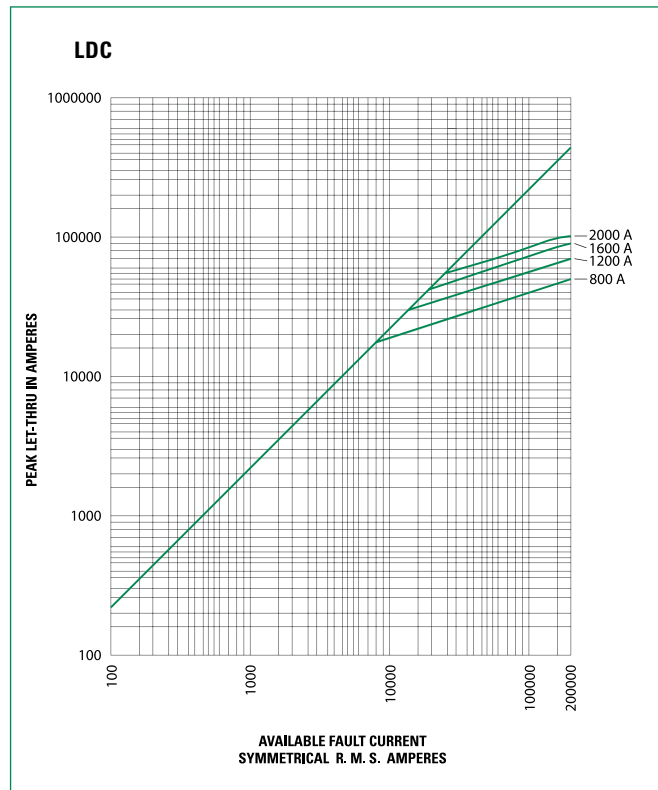
**Web Resources**

Download TC curves, CAD drawings and other technical documents: [littelfuse.com/ldc](http://littelfuse.com/ldc)

**Dimensions**

Please refer to the Class L dimensions ..... 12

**Peak Let-Thru Curve**



Note: For more information, see Peak Let-Thru Table on pg. 11

# CLASS L CURRENT-LIMITING EFFECTS

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UL Class L Fuses

## Current-Limiting Effects of KLPC (600 V) Fuses

SHORT CIRCUIT CURRENT*	APPARENT RMS SYMMETRICAL CURRENT FOR VARIOUS FUSE RATINGS							
	800 A	1200 A	1600 A	2000 A	3000 A	4000 A	5000 A	6000 A
5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
10,000	8,800	10,000	10,000	10,000	10,000	10,000	10,000	10,000
15,000	10,500	13,500	15,000	15,000	15,000	15,000	15,000	15,000
20,000	12,000	15,000	19,000	20,000	20,000	20,000	20,000	20,000
25,000	13,000	16,000	21,000	24,000	25,000	25,000	25,000	25,000
30,000	14,000	18,000	23,000	26,000	30,000	30,000	30,000	30,000
35,000	15,000	19,000	24,000	27,000	32,000	35,000	35,000	35,000
40,000	16,000	20,000	25,000	28,000	34,000	40,000	40,000	40,000
50,000	17,000	22,000	27,000	31,000	37,000	42,500	50,000	50,000
60,000	18,000	24,000	29,000	34,000	40,000	46,000	52,000	60,000
80,000	20,000	26,000	32,000	37,000	44,000	51,000	57,000	70,000
100,000	21,000	27,000	34,000	40,000	46,000	57,000	65,000	75,000
150,000	23,000	31,000	38,000	44,000	54,000	67,000	75,000	87,000
200,000	24,000	34,000	42,000	46,000	57,000	70,000	80,000	95,000

## Current-Limiting Effects of KLLU (600 V) Fuses

SHORT-CIRCUIT CURRENT*	APPARENT RMS SYMMETRICAL CURRENT FOR VARIOUS FUSE RATINGS					
	800 A	1200 A	1600 A	2000 A	3000 A	4000 A
5,000	5,000	5,000	5,000	5,000	5,000	5,000
10,000	10,000	10,000	10,000	10,000	10,000	10,000
15,000	11,900	15,000	15,000	15,000	15,000	15,000
20,000	13,000	18,500	20,000	20,000	20,000	20,000
25,000	14,000	20,000	25,000	25,000	25,000	25,000
30,000	14,500	21,000	26,500	30,000	30,000	30,000
35,000	15,000	22,000	28,500	34,000	35,000	35,000
40,000	16,000	23,000	30,000	35,000	37,000	40,000
50,000	17,000	24,000	32,000	38,000	39,000	44,000
60,000	18,000	26,000	34,000	42,000	43,000	50,000
80,000	19,000	28,000	36,000	44,000	46,000	54,500
100,000	21,000	30,000	38,000	46,000	48,000	57,500
150,000	24,000	35,000	44,000	50,000	51,000	68,000
200,000	26,000	38,000	48,000	53,000	60,000	74,000

## Current-Limiting Effects of LDC (600 V) Fuses

SHORT CIRCUIT CURRENT*	APPARENT RMS SYMMETRICAL CURRENT FOR VARIOUS FUSE RATINGS			
	800 A	1200 A	1600 A	2000 A
5,000	5,000	5,000	5,000	5,000
10,000	8,500	10,000	10,000	10,000
15,000	9,750	14,000	15,000	15,000
20,000	10,500	15,000	19,000	20,000
25,000	11,500	16,000	21,000	25,000
30,000	12,000	17,000	22,000	26,000
35,000	12,500	18,000	23,000	28,000
40,000	13,500	19,000	24,000	30,000
50,000	14,000	21,000	26,000	32,000
60,000	15,000	22,000	28,000	34,000
80,000	16,000	24,000	30,000	36,000
100,000	18,000	25,000	33,000	40,000
150,000	20,000	30,000	38,000	44,000
200,000	23,000	32,000	41,000	46,000

\*Prospective RMS Symmetrical Amperes Short-Circuit Current  
Note: Data derived from Peak Let-Thru Curves

**CLASS L SERIES DIMENSIONS**

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UL Class L Fuses

**Dimensions**

AMPERES	FIG. NO.	DIMENSIONS INCHES (mm)												
		A	B	C	D	E	F	G	H	J	K	L	M	N
150-800	1	3 <sup>3</sup> / <sub>4</sub> (95.3)	5 <sup>3</sup> / <sub>4</sub> (146.1)	6 <sup>3</sup> / <sub>4</sub> (171.5)	—	—	8 <sup>5</sup> / <sub>8</sub> (219.1)	—	—	2 (50.8)	2 <sup>1</sup> / <sub>2</sub> (63.5)	3 <sup>3</sup> / <sub>8</sub> (9.5)	5 <sup>5</sup> / <sub>8</sub> x 1 <sup>1</sup> / <sub>8</sub> (15.9) x (28.6)	—
900-1200	2	3 <sup>3</sup> / <sub>4</sub> (95.3)	5 <sup>3</sup> / <sub>4</sub> (146.1)	6 <sup>3</sup> / <sub>4</sub> (171.5)	9 <sup>1</sup> / <sub>4</sub> (235.0)	9 <sup>1</sup> / <sub>2</sub> (241.3)	10 <sup>3</sup> / <sub>4</sub> (273.1)	—	—	2 (50.8)	2 <sup>1</sup> / <sub>2</sub> (63.5)	3 <sup>3</sup> / <sub>8</sub> (9.5)	5 <sup>5</sup> / <sub>8</sub> x 3 <sup>3</sup> / <sub>4</sub> (15.9) x (19.1)	5 <sup>5</sup> / <sub>8</sub> x 1 <sup>1</sup> / <sub>8</sub> (15.9) x (28.6)
1300-1600	2	3 <sup>3</sup> / <sub>4</sub> (95.3)	5 <sup>3</sup> / <sub>4</sub> (146.1)	6 <sup>3</sup> / <sub>4</sub> (171.5)	9 <sup>1</sup> / <sub>4</sub> (235.0)	9 <sup>1</sup> / <sub>2</sub> (241.3)	10 <sup>3</sup> / <sub>4</sub> (273.1)	—	—	2 <sup>3</sup> / <sub>8</sub> (60.3)	3 (76.2)	7 <sup>1</sup> / <sub>16</sub> (11.1)	5 <sup>5</sup> / <sub>8</sub> x 3 <sup>3</sup> / <sub>4</sub> (15.9) x (19.1)	5 <sup>5</sup> / <sub>8</sub> x 1 <sup>1</sup> / <sub>8</sub> (15.9) x (28.6)
1800-2000	2	3 <sup>3</sup> / <sub>4</sub> (95.3)	5 <sup>3</sup> / <sub>4</sub> (146.1)	6 <sup>3</sup> / <sub>4</sub> (171.5)	9 <sup>1</sup> / <sub>4</sub> (235.0)	9 <sup>1</sup> / <sub>2</sub> (241.3)	10 <sup>3</sup> / <sub>4</sub> (273.1)	—	—	2 <sup>3</sup> / <sub>4</sub> (69.9)	3 <sup>1</sup> / <sub>2</sub> (88.9)	1 <sup>1</sup> / <sub>2</sub> (12.7)	5 <sup>5</sup> / <sub>8</sub> x 3 <sup>3</sup> / <sub>4</sub> (15.9) x (19.1)	5 <sup>5</sup> / <sub>8</sub> x 1 <sup>1</sup> / <sub>8</sub> (15.9) x (28.6)
2100-2500	3	4 (101.6)	5 <sup>3</sup> / <sub>4</sub> (146.1)	6 <sup>3</sup> / <sub>4</sub> (171.5)	9 <sup>1</sup> / <sub>4</sub> (235.0)	9 <sup>1</sup> / <sub>2</sub> (241.3)	10 <sup>3</sup> / <sub>4</sub> (273.1)	1 <sup>5</sup> / <sub>8</sub> (41.3)	1 <sup>3</sup> / <sub>4</sub> (44.5)	3 <sup>1</sup> / <sub>2</sub> (88.9)	5 (127.0)	3 <sup>3</sup> / <sub>4</sub> (19.1)	5 <sup>5</sup> / <sub>8</sub> x 3 <sup>3</sup> / <sub>4</sub> (15.9) x (19.1)	5 <sup>5</sup> / <sub>8</sub> x 1 <sup>1</sup> / <sub>8</sub> (15.9) x (28.6)
2501-3000	3	4 (101.6)	5 <sup>3</sup> / <sub>4</sub> (146.1)	6 <sup>3</sup> / <sub>4</sub> (171.5)	9 <sup>1</sup> / <sub>4</sub> (235.0)	9 <sup>1</sup> / <sub>2</sub> (241.3)	10 <sup>3</sup> / <sub>4</sub> (273.1)	1 <sup>5</sup> / <sub>8</sub> (41.3)	1 <sup>3</sup> / <sub>4</sub> (44.5)	4 (101.6)	5 (127.0)	3 <sup>3</sup> / <sub>4</sub> (19.1)	5 <sup>5</sup> / <sub>8</sub> x 3 <sup>3</sup> / <sub>4</sub> (15.9) x (19.1)	5 <sup>5</sup> / <sub>8</sub> x 1 <sup>1</sup> / <sub>8</sub> (15.9) x (28.6)
3500-4000	4	4 (101.6)	5 <sup>3</sup> / <sub>4</sub> (146.1)	6 <sup>3</sup> / <sub>4</sub> (171.5)	9 <sup>1</sup> / <sub>4</sub> (235.0)	9 <sup>1</sup> / <sub>2</sub> (241.3)	10 <sup>3</sup> / <sub>4</sub> (273.1)	1 <sup>3</sup> / <sub>4</sub> (44.5)	3 <sup>3</sup> / <sub>4</sub> (82.6)	4 <sup>3</sup> / <sub>4</sub> (120.7)	5 <sup>3</sup> / <sub>4</sub> (146.1)	3 <sup>3</sup> / <sub>4</sub> (19.1)	5 <sup>5</sup> / <sub>8</sub> x 1 <sup>3</sup> / <sub>8</sub> (15.9) x (34.9)	5 <sup>5</sup> / <sub>8</sub> x 1 <sup>3</sup> / <sub>8</sub> (15.9) x (34.9)
4500-5000	5	4 (101.6)	5 <sup>3</sup> / <sub>4</sub> (146.1)	—	9 <sup>1</sup> / <sub>4</sub> (235.0)	—	10 <sup>3</sup> / <sub>4</sub> (273.1)	1 <sup>5</sup> / <sub>8</sub> (41.3)	3 <sup>3</sup> / <sub>4</sub> (82.6)	5 <sup>1</sup> / <sub>4</sub> (133.4)	7 <sup>1</sup> / <sub>8</sub> (181.0)	1 (25.4)	5 <sup>5</sup> / <sub>8</sub> DIA. (15.9)	—
6000	5	4 (101.6)	5 <sup>3</sup> / <sub>4</sub> (146.1)	—	9 <sup>1</sup> / <sub>4</sub> (235.0)	—	10 <sup>3</sup> / <sub>4</sub> (273.1)	1 <sup>5</sup> / <sub>8</sub> (41.3)	3 <sup>3</sup> / <sub>4</sub> (82.6)	5 <sup>1</sup> / <sub>4</sub> (133.4)	7 <sup>1</sup> / <sub>8</sub> (181.0)	1 (25.4)	5 <sup>5</sup> / <sub>8</sub> DIA. (15.9)	—

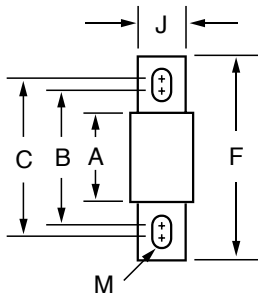


FIG. 1

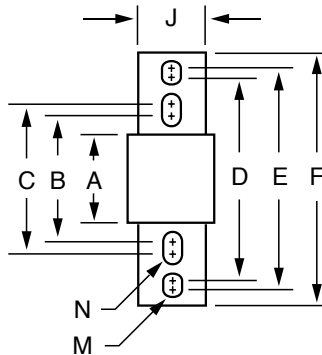


FIG. 2

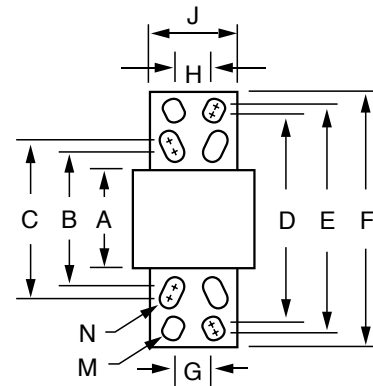


FIG. 3

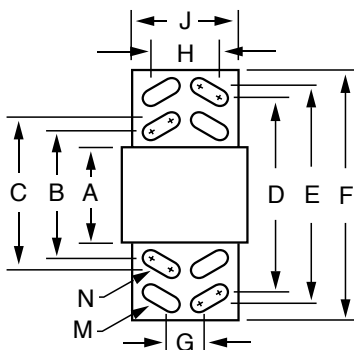


FIG. 4

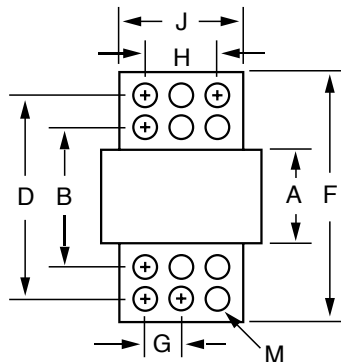


FIG. 5

