

# KLPC SERIES POWR-PRO® FUSES

**POWR-PRO®** 600 VAC • Time-Delay • 200-6000 Amperes



## Specifications

|                              |     |                                                       |
|------------------------------|-----|-------------------------------------------------------|
| <b>Voltage Ratings:</b>      | AC: | 600 V                                                 |
|                              | DC: | 480 V                                                 |
| <b>Interrupting Ratings:</b> | AC: | 200 kA rms symmetrical                                |
|                              |     | 300 kA rms symmetrical<br>(Littelfuse self-certified) |
|                              | DC: | 20,000 A                                              |
| <b>Ampere Range:</b>         |     | 200–6000 A                                            |
| <b>Approvals:</b>            | AC: | Standard 248-10, Class L                              |
|                              |     | UL Listed 601–6000 A<br>(File No. E81895)             |
|                              |     | UL Recognized 200–600 A<br>(File No. E71611)          |
|                              |     | CSA Certified 200–6000 A<br>(File No. LR29862)        |
|                              |     | Federal Specifications 700–6000 A<br>(QPL-W-F-1814)   |
|                              | DC: | Littelfuse self-certified                             |

## Description

KLPC series POWR-PRO® fuses meet or exceed the most stringent project specifications, such as 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 (see pg. 3)
- Best in class time-delay withstand
- Current-Limiting
- Easily coordinated with other system components
- 300 kA AC Interrupting Rating (self certified)

## 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 | SYSTEM NUMBER |
|--------|----------|----------------|---------------|
| KLPC   | 800      | KLPC800        | KLPC800.X     |

## Web Resources

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

# CLASS L CURRENT-LIMITING EFFECTS

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

| SHORT CIRCUIT<br>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 |

\*Prospective RMS Symmetrical Amperes Short-Circuit Current

Note: Data derived from Peak Let-Thru Curves

# CLASS L SERIES DIMENSIONS

## Dimensions in inches (mm)

| AMPERES   | FIG. NO. | DIMENSIONS IN INCHES (mm)            |                                       |                                       |                                       |                                       |                                        |                                      |                                      |                                       |                                       |                                     |                                                                             |                                                                             |
|-----------|----------|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|----------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------|
|           |          | A                                    | B                                     | C                                     | D                                     | E                                     | F                                      | G                                    | H                                    | J                                     | K                                     | L                                   | M                                                                           | N                                                                           |
| 200-800   | 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)  | <sup>3</sup> / <sub>8</sub> (9.5)   | <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)  | <sup>3</sup> / <sub>8</sub> (9.5)   | <sup>5</sup> / <sub>8</sub> x <sup>3</sup> / <sub>4</sub> (15.9) x (19.1)   | <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)                              | <sup>7</sup> / <sub>16</sub> (11.1) | <sup>5</sup> / <sub>8</sub> x <sup>3</sup> / <sub>4</sub> (15.9) x (19.1)   | <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)  | <sup>1</sup> / <sub>2</sub> (12.7)  | <sup>5</sup> / <sub>8</sub> x <sup>3</sup> / <sub>4</sub> (15.9) x (19.1)   | <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)                             | <sup>3</sup> / <sub>4</sub> (19.1)  | <sup>5</sup> / <sub>8</sub> x <sup>3</sup> / <sub>4</sub> (15.9) x (19.1)   | <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)                             | <sup>3</sup> / <sub>4</sub> (19.1)  | <sup>5</sup> / <sub>8</sub> x <sup>3</sup> / <sub>4</sub> (15.9) x (19.1)   | <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>1</sup> / <sub>4</sub> (82.6) | 4 <sup>3</sup> / <sub>4</sub> (120.7) | 5 <sup>3</sup> / <sub>4</sub> (146.1) | <sup>3</sup> / <sub>4</sub> (19.1)  | <sup>5</sup> / <sub>8</sub> x 1 <sup>3</sup> / <sub>8</sub> (15.9) x (34.9) | <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>1</sup> / <sub>4</sub> (82.6) | 5 <sup>1</sup> / <sub>4</sub> (133.4) | 7 <sup>7</sup> / <sub>8</sub> (181.0) | 1 (25.4)                            | <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>1</sup> / <sub>4</sub> (82.6) | 5 <sup>1</sup> / <sub>4</sub> (133.4) | 7 <sup>7</sup> / <sub>8</sub> (181.0) | 1 (25.4)                            | <sup>5</sup> / <sub>8</sub> DIA. (15.9)                                     | —                                                                           |

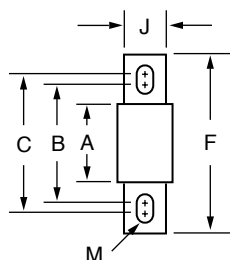


FIG. 1

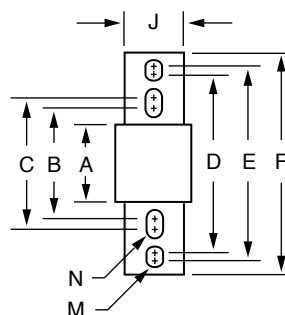


FIG. 2

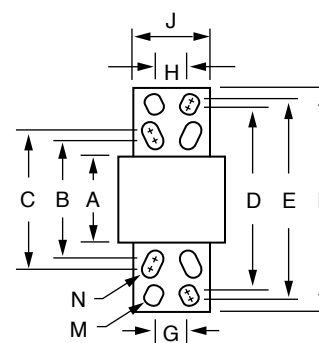


FIG. 3

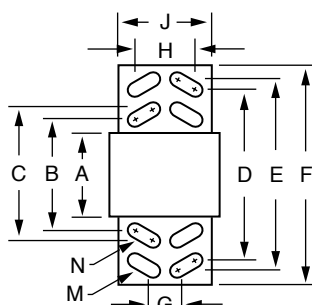


FIG. 4

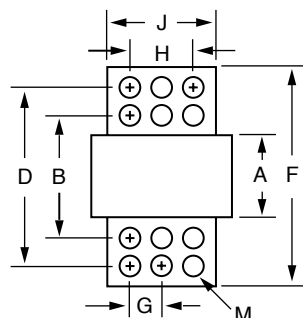
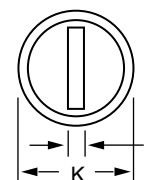
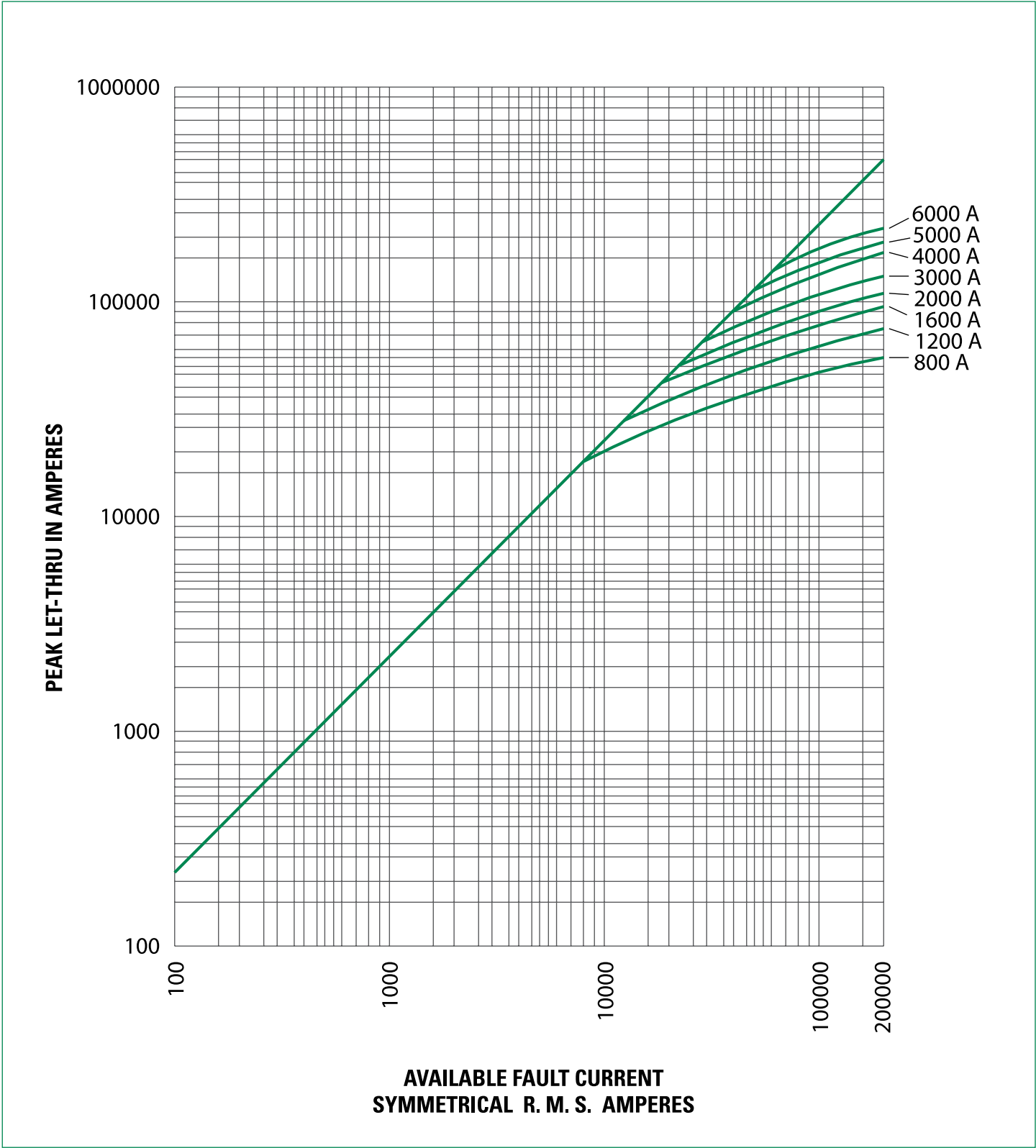


FIG. 5



Peak Let-Thru Curve KLPC





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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