

# LOW-PEAK®

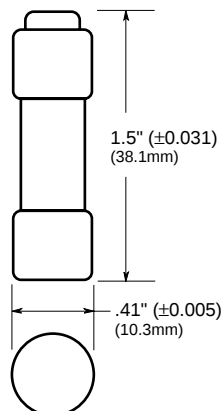
## Time-Delay Fuses

### Class CC – 600 Volt, ½ to 30 Amps

LP-CC



#### Dimensional Data



Catalog Symbol: LP-CC

Time-Delay, Current-Limiting

Ampere Rating: ½ to 30A

AC Voltage Rating: 600V (or less)

Interrupting Rating: 200,000A RMS Sym.

Agency Information:

UL Listed, Std. 248-4, Class CC, Guide JDDZ, File E4273

CSA Certified, C22.2 No. 248.4, Class 1422-02, File 53787

DC Voltage Rating: 300Vdc (or less)

½-2 ¾/10A and 20-30A, 20,000 AIR, UL 198L

150Vdc or less 3-15A, 20,000 AIR, UL 198L

#### Catalog Numbers

|             |             |             |          |          |
|-------------|-------------|-------------|----------|----------|
| LP-CC-½     | LP-CC-1½    | LP-CC-3     | LP-CC-6  | LP-CC-12 |
| LP-CC-¾     | LP-CC-1¾    | LP-CC-3¾    | LP-CC-6¾ | LP-CC-15 |
| LP-CC-8/10  | LP-CC-18/10 | LP-CC-3½    | LP-CC-7  | LP-CC-20 |
| LP-CC-1     | LP-CC-2     | LP-CC-4     | LP-CC-7½ | LP-CC-25 |
| LP-CC-1½    | LP-CC-2¼    | LP-CC-4½    | LP-CC-8  | LP-CC-30 |
| LP-CC-1¾    | LP-CC-2½    | LP-CC-5     | LP-CC-9  | —        |
| LP-CC-18/10 | LP-CC-28/10 | LP-CC-58/10 | LP-CC-10 | —        |

#### Carton Quantity and Weight

| Ampere Ratings | Carton Qty. | Weight* |      |
|----------------|-------------|---------|------|
|                |             | Lbs.    | Kg.  |
| 0-30           | 10          | .193    | .088 |

\*Weight per carton.



Recommended fuseblocks/fuseholders for Class CC 600V fuses

See Data Sheets listed below

- Open fuseblocks - 1105
- Finger-safe fuseholders - 1109, 1102, 1103, 1151
- Panel-mount fuseholders - 2114, 2113
- In-line fuseholders - 2126

#### General Information:

##### LP-CC LOW-PEAK Yellow™ Fuse

- A superior all-purpose, space-saving branch circuit fuse that meets most protection requirements up to 30A.
- Very compact; physical size is only 1 3/32" × 1 1/2" (10.3mm × 38.1mm) with rejection tip.
- The unique yellow color makes it easy to tell that the correct fuse type is installed.
- Faster response to damaging short-circuit currents and higher interrupting rating than mechanical overcurrent protective devices.

##### 200,000A Interrupting Rating

- Maximum interrupting rating for available fault current in today's large capacity systems.
- Helps ensure that future growth will not obsolete the system.

##### Dual Characteristics

- Time-delay to avoid unwanted fuse openings from surge currents.
- Fast speed of response under short-circuit conditions for a high degree of current-limitation.
- **ADVANTAGE:** The LOW-PEAK® fuse can be sized close to full load ratings for maximum overload and short-circuit protection.
- **ADVANTAGE:** Can be used where either a time-delay or a fast-acting fuse is needed, making selection easier and reducing spare fuse inventories for substantial cost reduction.

##### Superior Motor Protection

- For protection of small horsepower motor circuits.
- Proper sizing can provide Type "2" coordinated protection for NEMA and IEC motor controllers.
- Motors receive maximum protection against burnout from overloads and single phasing.

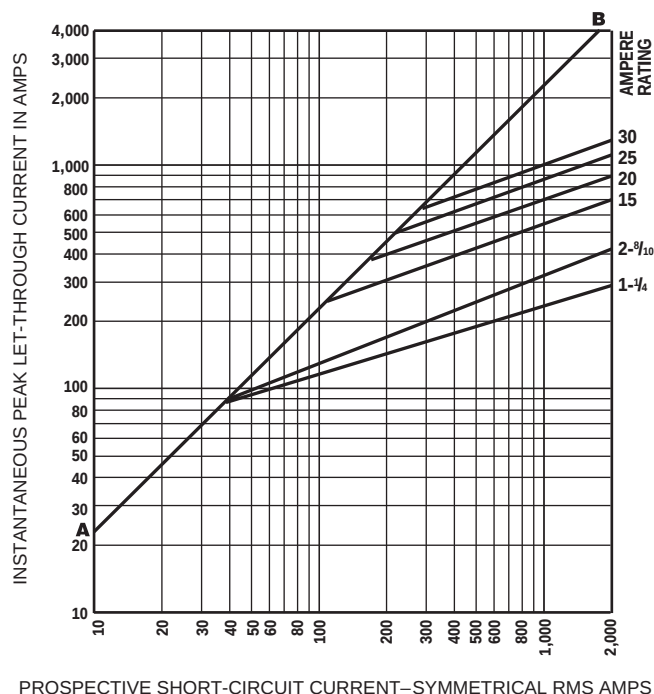
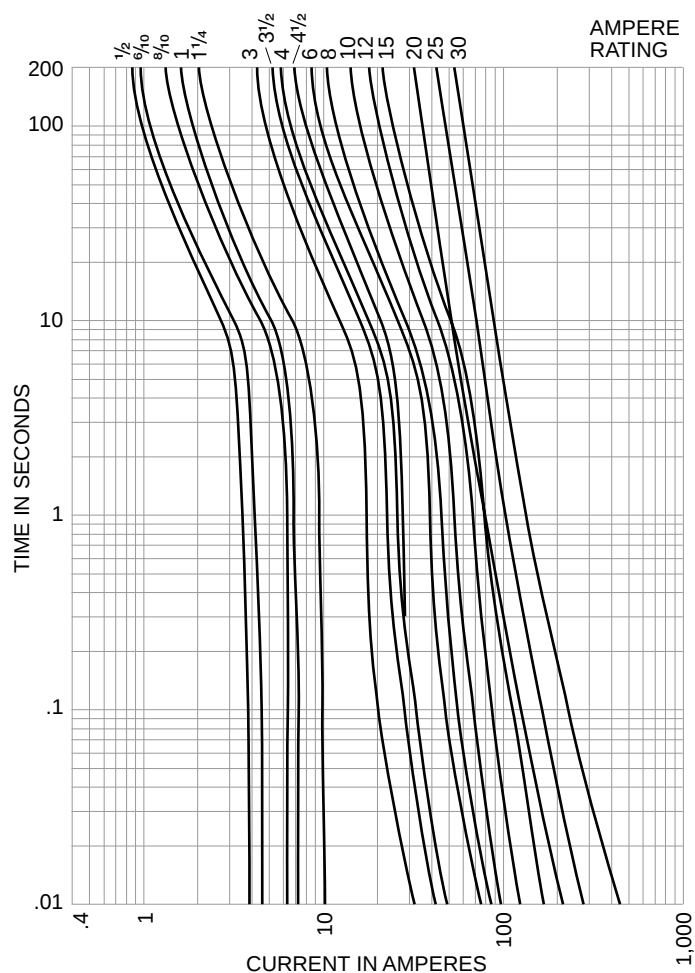
#### Current-Limiting Effects

| Prospective Short-Circuit Current | *Let-Through Current (Apparent RMS Symmetrical) |        |       |       |       |       |
|-----------------------------------|-------------------------------------------------|--------|-------|-------|-------|-------|
|                                   | 1¼A                                             | 28/10A | 15A   | 20A   | 25A   | 30A   |
| 1,000                             | 100                                             | 135    | 240   | 305   | 380   | 435   |
| 3,000                             | 140                                             | 210    | 350   | 440   | 575   | 580   |
| 5,000                             | 165                                             | 255    | 420   | 570   | 690   | 710   |
| 10,000                            | 210                                             | 340    | 540   | 700   | 870   | 1,000 |
| 20,000                            | 260                                             | 435    | 680   | 870   | 1,090 | 1,305 |
| 30,000                            | 290                                             | 525    | 800   | 1,030 | 1,300 | 1,520 |
| 40,000                            | 315                                             | 610    | 870   | 1,150 | 1,390 | 1,700 |
| 50,000                            | 340                                             | 650    | 915   | 1,215 | 1,520 | 1,820 |
| 60,000                            | 350                                             | 735    | 1,050 | 1,300 | 1,650 | 1,980 |
| 80,000                            | 390                                             | 785    | 1,130 | 1,500 | 1,780 | 2,180 |
| 100,000                           | 420                                             | 830    | 1,210 | 1,600 | 2,000 | 2,400 |
| 200,000                           | 525                                             | 1,100  | 1,600 | 2,000 | 2,520 | 3,050 |

\*RMS Symmetrical Amperes Short-Circuit

NOTE: To calculate I<sub>p</sub> (I<sub>peak</sub>) multiply I<sub>RMS</sub> value × 2.3.

CE CE logo denotes compliance with European Union Low Voltage Directive (50-1000Vac, 75-1500Vdc). Refer to Data Sheet: 8002 or contact Bussmann Application Engineering at 314-527-1270 for more information.

**LOW-PEAK®****Time-Delay Fuses****Class CC – 600 Volt, ½ to 30 Amps****LP-CC**

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