

## Cooper Bussmann

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## LP-CC-6

Class CC, Time Delay Fuse

### Product Information

|                 |                  |
|-----------------|------------------|
| Product Type:   | Fuse             |
| Product Family: | Electrical Power |
| Brand:          | Cooper Bussmann  |
| Sub-brand:      | Low-Peak         |
| Class:          | CC               |

### Recommended Products

|                               |                                |
|-------------------------------|--------------------------------|
| Rec. Fuse Block:              | <a href="#">BC603 Series</a>   |
| Rec. Panel-mount Fuse Holder: | <a href="#">HPS-RR</a>         |
| Rec. Modular Fuse Holder:     | <a href="#">CHCC Series</a>    |
| Rec. Disconnect Switch:       | <a href="#">CFD30CC Series</a> |
| Rec. Cover:                   | <a href="#">SAMI-7 Series</a>  |

### Physical Properties

|             |                                   |
|-------------|-----------------------------------|
| Dimensions: | 1.5in.(L) × 0.406in.(W) × 0in.(H) |
|-------------|-----------------------------------|

### Certifications

[UL Listed](#)  
[CSA Certified](#)

### Electrical Properties

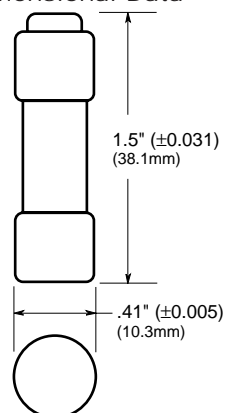
|                          |  |
|--------------------------|--|
| Maximum AC Voltage:      | 600  |
| Maximum DC Voltage:      | 150  |
| Amperage Rating:         | 6  |
| AC Interrupting Ratings: | <ul style="list-style-type: none"> <li>200000 at 600V</li> </ul> |
| DC Interrupting Ratings: | <ul style="list-style-type: none"> <li>20000 at 150V</li> </ul>  |
| Fuse Class:              | Class CC   |
| Time Delay:              | Yes  |

# 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)  
 ½-2¾<sub>10</sub>A 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 <sub>10</sub>  | LP-CC-1¾ <sub>10</sub> | LP-CC-3¾ <sub>10</sub> | LP-CC-6¾ <sub>4</sub> | LP-CC-15 |
| LP-CC-¾ <sub>10</sub>  | LP-CC-1¾ <sub>10</sub> | 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-1¼               | LP-CC-2¼               | LP-CC-4½               | LP-CC-8               | LP-CC-30 |
| LP-CC-1¼               | LP-CC-2½               | LP-CC-5                | LP-CC-9               | —        |
| LP-CC-1¾ <sub>10</sub> | LP-CC-2¾ <sub>10</sub> | LP-CC-5¾ <sub>10</sub> | 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 1¾" x 1½" (10.3mm x 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   | 2¾ <sub>10</sub> A | 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 x 2.3.

