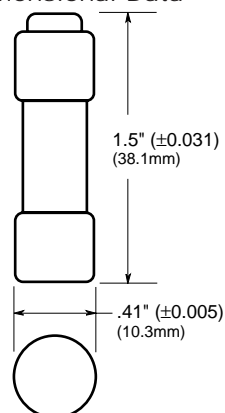


LOW-PEAK® Time-Delay Fuses Class CC – 600 Volt, ½ to 30 Amps

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)
 ½-2¾₁₀A 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 ₁₀ | LP-CC-1¾ ₁₀ | LP-CC-3¾ ₁₀ | LP-CC-6¾ ₄ | LP-CC-15 |
| LP-CC-¾ ₁₀ | LP-CC-1¾ 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-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 ₁₀ | LP-CC-2¾ ₁₀ | LP-CC-5¾ 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 1¾₃₂" × 1½" (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

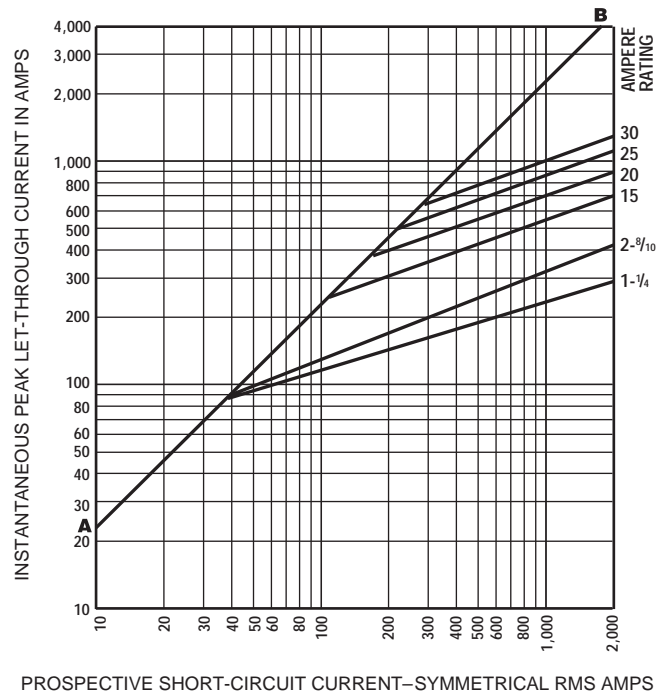
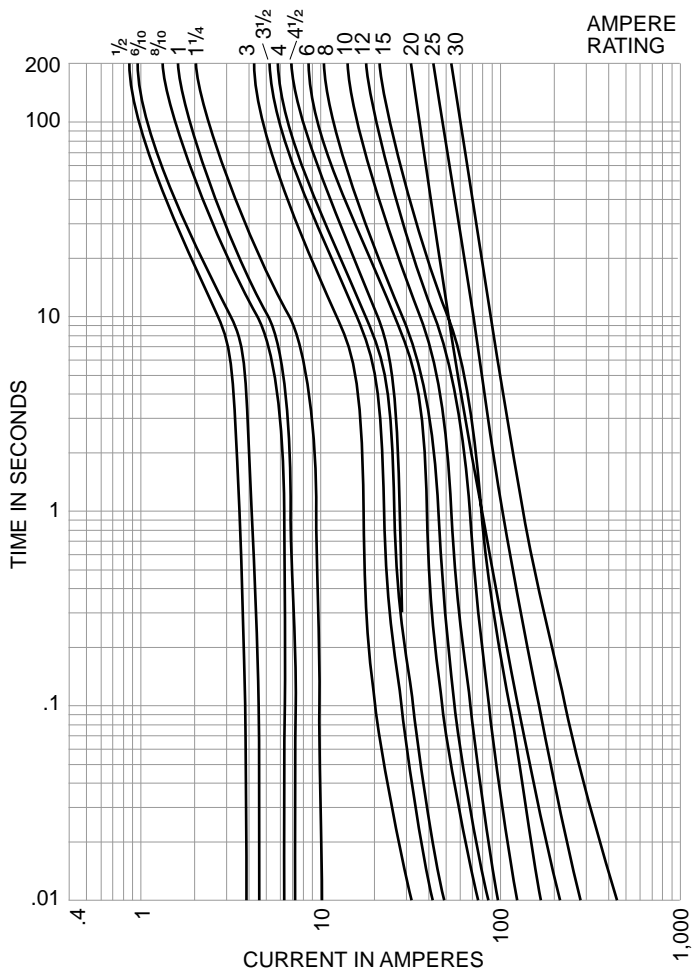
| Prospective Short-Circuit Current | *Let-Through Current (Apparent RMS Symmetrical) | | | | | |
|-----------------------------------|---|--------------------|-------|-------|-------|-------|
| | 1¼A | 2¾ ₁₀ A | 15A | 20A | 25A | 30A |
| 1,000 | 100 | 135 | 240 | 305 | 380 | 435 |
| 3,000 | 140 | 210 | 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_p (I_{peak}) multiply I_{RMS} 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, 1/2 to 30 Amps

LP-CC



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