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LOW PEAK TIME DELAY CLASS CC FUSES

LP-CC-6-1-4
LOW PEAK CC TIME DELAY 6.25A



- Rated for 600 Vac
- Up to 200 kA Interrupting rating
- Minimum 12 second delay at 200%

PRODUCT DESCRIPTION

The LP-CC series are Class CC, dual-element, time-delay, current-limiting fuses (Low-Peak) that provide a powerful combination of surge tolerance and rapid fault response. They are rated for 600 Vac and provide DC ratings of 300 Vdc for most amperages (½ A to 2.8 A, and 20–30 A), and 150 Vdc for the mid-range 3 A–15 A sizes. These fuses are available in amperage ratings from ½ A up to 30 A and carry a high 200 kA interrupting rating (IR) at 600 Vac and 20 kA at applicable DC voltages. Their performance allows a minimum 12 second delay at 200% of rated current, enabling them to ride through short inrushes while still providing excellent current-limiting protection under fault conditions. The rejection-type form factor measures approximately 13/32″ × 1½″ (10.3 × 38.1 mm), ensuring compatibility with Class CC holders and discouraging the use of incorrect fuse types. LP-CC fuses are UL-listed (UL 248-4, Class CC), CSA certified, CE marked, and RoHS compliant (for 20–30 A units), meeting stringent safety and regulatory requirements.

LP-CC fuses shine in environments where selective coordination, compactness, and motor surge tolerance are paramount. Their consistent 2:1 ampacity ratio across the Low-Peak family simplifies selective coordination strategies, helping ensure that only the nearest upstream fuse responds to an overload or fault—thus improving system uptime and protection granularity. These features make LP-CC fuses particularly well-suited for branch-circuit protection, small horsepower motor circuits, and relay or control circuits that experience inrush currents. Plus, their compact size and time-delay characteristics allow them to effectively replace both fast-acting and standard time-delay fuses, thus reducing spare inventory by up to 33%. With “no-damage” Type 2 coordination possible for NEMA and IEC motor controllers, they help safeguard sensitive systems from catastrophic motor faults while limiting downstream damage. The LP-CC series is widely used in industrial control panels, small motor feeds, specialised control circuits, and compact, space-efficient installations—offering robust protection in a minimal footprint.