



Part Number: **CCMR035**.

Technology: **Fuses**

Series: **CCMR**

CCMR Series - Class CC Dual Element Time Delay Fuse for Short-Circuit Protection of Motor Branch-circuits

For space-saving protection of motor circuits up to 40 HP**, we recommend Littelfuse POWR-PRO? CCMR series fuses.

- These fuses are the only true dual-element time-delay CC fuses specifically engineered for motor branch circuit protection.
- They provide Type II protection (no damage) to both NEMA-rated and the more sensitive IEC (International Electromechanical Commission) type motor circuit components.
- CCMR series fuses are now available in larger sizes — from 35 to 60 amperes! No other 600V fuse is available with this current carrying capacity in a package this small.
- Compared to other UL Listed fuses, Class CC fuses are the most current limiting, rating for rating.
- Because they are physically compact, they provide this superior protection in a fraction of the space required by other fuse classes.

For example, when 600V three-pole, 30 ampere Class R fuse blocks are replaced by Littelfuse Class CC fuse blocks, panel-mounting space is reduced approximately 70%. This is especially important when a panel contains many fuses to protect multiple circuit components.

Applications:

Three types of Class CC Fuses, specifically designed to protect different types of components:

1. Motor protection – CCMR series; dual-element, time-delay fuses specifically designed to protect motor circuits up to 40 HP**.
2. Small transformer protection (control power transformers) – KLDR series, time-delay fuses designed to withstand the high magnetizing inrush of transformers.
3. General purpose protection of equipment requiring fast overload protection – KLKR series, fast-acting fuses used for protection of equipment containing solid-state devices or other electronic components requiring fast response on overloads.

Safety:

- 200,000 A.I.R. — Reliable interruption of all overcurrents up to 200,000 amperes.
- Extremely current limiting — Reduces damage caused by heating and magnetic effects of short-circuit currents... stops damaging short-circuit faster than any mechanical protective device.

Space Saving:

- Class CC fuses are the smallest 600V, 200,000 A.I.R. fuses approved for branch circuit protection.

Economical

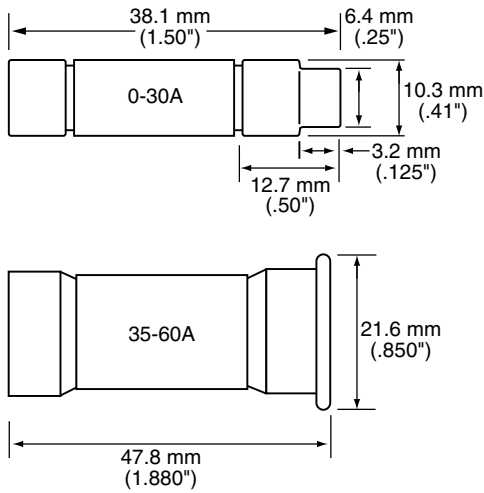
- Current limiting design often permits use of readily available, less costly equipment.

Electrical Characteristics

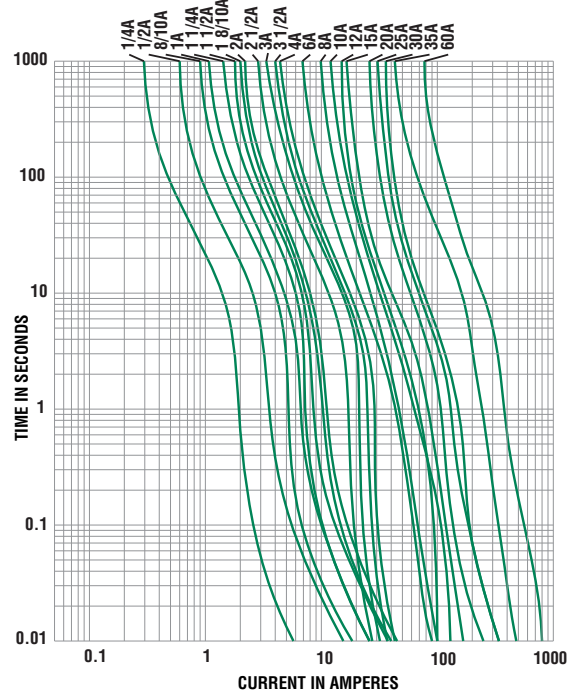
Property	Value
Amp Rating (A)	35
Form Factor	Class CC
Fuse Class	Supplemental
Opening Characteristic	Slo-Blo®
Resistance (Ohms)	0.00426
Voltage Rating (V)	600

Axial Lead and Cartridge Fuses

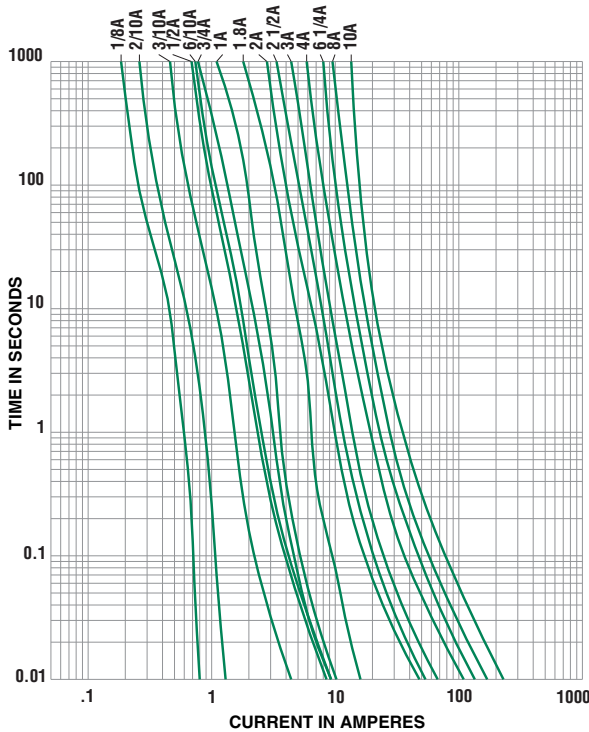
RoHS **Pb** **Class CC*** Fast-Acting & Slo-Blo® Type Fuses CCMR Series



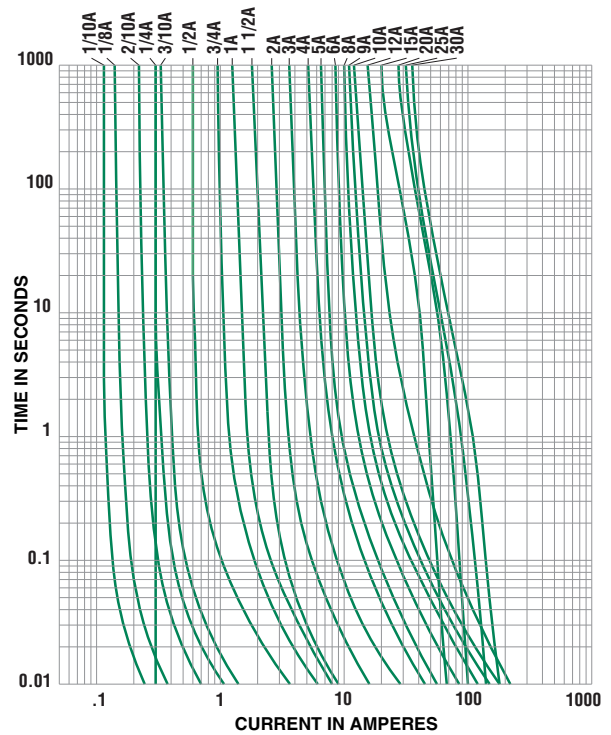
Average Time Current Curve (CCMR)



Average Time Current Curve (KLDR)



Average Time Current Curve (KLKR)



AXIAL LEAD AND
CARTRIDGE FUSES