

MERSEN
Expertise, our source of energy

FUSES FOR
ARC FLASH
MITIGATION



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In laboratory tests, Mersen's Amp-Trap 2000 A6D, A4BQ and AJT fuses have generated excellent results, limiting the energy delivered to arc faults to very low values for fault currents within their current-limiting range. Because this energy reduction reduces the amount of heat generated, the use of these fuses typically minimizes the level of personal protective equipment (PPE) required, allowing personnel to work more easily, efficiently, and safely.



AMP-TRAP 2000® AJT, CLASS J FUSES

The ideal choice for new applications of 600A and less, AJT fuses offer excellent current-limiting performance for short circuits and time delay for overloads, as well as:

- **The best degree of arc energy mitigation.** When applied properly for expected arc fault currents, these fuses can reduce incident energies at a working distance of 18" to less than 0.25 calorie/cm².
- **Unique Class J dimensions.** Interchanging fuse classes can lead to compromised protection and coordination. Non-interchangeable Class J dimensions eliminate this problem.
- **Type "2" protection for motor starters.** The AJT has been certified by starter manufacturers to provide Type "2" No-Damage short-circuit protection for NEMA and IEC starters.
- **Ability to be used as a cable protector.** The blades on the AJT (70A - 600A) are designed to accept lugs and can be installed as cable limiters — a feature to consider in special situations where current limitation might otherwise be impossible.



AMP-TRAP 2000® A4BQ, CLASS L FUSES

Designed for applications over 600A, Mersen A4BQ fuses have an interrupting rating of 300kA and a unique design that delivers excellent performance in arc flash situations. They offer:

- **The best degree of arc energy mitigation.** Lower current-limiting thresholds and let-thru energies are key features of the A4BQ line. When fuses up to 1600A are applied properly for expected arc fault currents, incident energies at a working distance of 18" can be reduced to Category 0 PPE levels.
- **Easier system coordination.** Combine A4BQ fuses with other Amp-Trap 2000 fuse classes, and you can ensure a fully coordinated system by sizing upstream fuses at only twice the ampere rating.
- **Easy downsizing.** Feeder fuses often have larger ampere ratings than are needed. Downsizing should be considered when it would lead to substantial incident energy reduction with the hole pattern in its blade. Any A4BQ can be downsized to 100A without reducer hardware.



AMP-TRAP 2000® A6D OR A6D-R, CLASS RK1 FUSES

The ideal choice for upgrading existing applications of 600A and less, A6D fuses offer excellent current-limiting performance for short circuits, time delay for overloads, and the same dimensions as Class H, Class K and Class RK5 fuses. They also deliver:

- **The best degree of arc energy mitigation.** When applied properly for expected arc fault currents, A6D fuses can reduce incident energies at a working distance of 18" to less than 0.25 calorie/cm².
- **Easy upgrade to Class RK1 protection.** With the same overall dimensions as Class RK5, Class K and Class H fuses, our A6D fuses make upgrading a simple change that can dramatically reduce incident energies. Streamline your inventory and train your workers in circuit protection safety. Access our Fuse Control™ Program today for comprehensive inventory analysis and upgrade services. To learn more visit: ep-us.mersen.com/fusecontrol.
- **Type "2" protection for motor starters.** The A6D has been certified by starter manufacturers to provide Type "2" No-Damage short-circuit protection for NEMA starters.

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