

## Safety Precautions

### **WARNING**

Failure to properly select, install, and use fuses may result not only in property damage due to fire and other disasters, but also bodily harm, serious injury, and/or death. This catalog contains as references only a portion of the data available for the products listed. Before selecting a fuse, confirm the latest product specifications and parameters with one of SOC's local sales representatives.

- Use fuses within their specified limits. Use outside of specified conditions can cause nuisance operations and disconnection of the fuse-element, among other things, and may lead to the occurrence of accidents. Please note that breaking conditions for currents below the minimum breaking current and which exceed the rated breaking current are outside the range of the specification conditions. Please use this product after ensuring that the actual breaking conditions in the application are not included in this range.
- Product specification will depend on the product type. Please confirm this with your sales representative.
- Before final fuse selection, always test the proposed fuse in your actual equipment to ensure the fuse satisfies all operational and safety requirements.
- Be aware the breaking ability of a fuse will differ depending on whether the circuit is an AC or DC circuit. Fuses intended for use in AC circuits should not be employed in DC circuits, and vice versa, as this may result in accidents such as explosions, property damage, and/or serious injury. (Refer to p. 155 of this catalog.)
- In regard to environmental conditions, represented by the following, use outside of specifications may cause changes to a fuse's electrical characteristics, nuisance operations, and disconnection of the fuse-element, among other things. Please confirm specifications with your SOC sales representative.
  - \* Ambient temperature and/or temperature changes
  - \* High-temperature and/or high-humidity
  - \* Vibrations and/or impacts
  - \* Condensation
- Do not use fuses where they may be exposed to corrosive and/or flammable gasses. Doing so may result in nuisance operations, disconnection of the fuse-element, and/or explosions.
- Do not use ultrasonic cleaning on fuses as this can result in disconnection of the fuse-element, which may lead to an accident.
- Coating or potting a fuse may change its electrical characteristics. Please consult your SOC sales representative before applying treatment as this may result in an accident.
- Never force a fuse into a fuseholder/fuse clip. Contact failure caused by damage to the fuse or deformation of the fuseholder's clips due to impact or forcing the fuse into the holder may significantly alter the fuse's electrical characteristics and lifetime, and may lead to accidents including nuisance operations.
- Turn off all power leading to a fuse before touching it. Failure to do so may result in electrocution or serious burns.
- Products in this catalog are intended for use in standard electronic equipment. Please consult your SOC sales representative before using fuses in life-critical equipment, equipment which requires a high degree of quality and reliability, and any other similar equipment.
- Use sample fuses only for evaluation. Do not reuse sample or other previously used fuses. Properly dispose of fuses in accordance with local laws and regulations.

### **IMPORTANT NOTICES**

- Operating, electrical, and/or mechanical characteristic limits for products covered in this catalog, as well as product availability, are subject to change without prior notice.
- The content of this catalog was considered to be reliable at the time of its preparation (March 2018); however, the accuracy of information herein cannot be guaranteed. Check with your local SOC sales representative before finalizing fuse selection.
- Questions related to product applications, specifications, or performance characteristics may be directed to SOC sales representatives.