

## Safety Precautions



### WARNING

Failure to properly select, install and use fuses may result in not only property damage but also serious injury and/or death. This catalog contains references to only a portion of the data available for the products included. Before making a final fuse selection, confirm the final product specifications and parameters with one of SOC local sales representatives.

- Use fuses within their specification requirements. Exceeding specification requirements may lead to an accident.
- Before final fuse selection, always test the proposed fuse in your actual equipment to ensure that the fuse satisfies all your operational and safety requirements.
- Be aware that the breaking ability of a fuse will differ depending on whether the circuit is an AC or a DC circuit. Fuses intended for use in AC circuits should therefore not be employed in DC circuits, and vice versa, as this may result in accidents such as explosion, property damage, and serious injury. (Refer to P. 173 of this catalog.)
- Make sure to consider the effect of ambient temperature when you use a fuse. Electrical characteristics of the fuse may vary depending on the temperature. (Refer to P. 182 of this catalog.)
- Use fuses in places where vibration and impact levels are within the specified limits. Exceeding these limits may result in disconnection of the fuse-element, which may lead to an accident.
- Do not use fuses where they may be exposed to high levels of humidity, corrosive gasses, and/or flammable gasses. Doing so may result in nuisance operations, disconnection of the fuse-element, or explosions.
- Do not use ultrasonic cleaning on fuses. Ultrasonic cleaning may 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 SOC sales representatives before applying treatment as this may result in accidents.
- Never force a fuse into a fuseholder. Doing so may result in damage to the fuse or contact failure due to changes in the shape of the fuseholder clip. This can significantly affect the electrical characteristics and/or the service life of the fuse, and may lead to an accident.
- Turn off all power leading to the fuse before touching it. Failure to do so may result in electric shock or burns.
- When using a fuse in life support system or other equipment that requires a high level of reliability, carefully examine and evaluate the fuse in actual circuit conditions to be certain that it is an appropriate application.
- Use sample fuses only for evaluation. Do not reuse sample or other used fuses. Properly dispose of fuses in accordance with local laws and regulations.

### IMPORTANT NOTICES

- Special operating, electrical and/or mechanical characteristic limits for products covered in this catalog, as well as their availability, are subject to change without prior notice.
- The content of this catalog was considered to be reliable at the time of its preparation—July 2008; however, the accuracy of information in this catalog cannot be guaranteed. Check with the local SOC sales representative before finalizing your fuse selection.
- Questions related to specific product applications, specifications or performance characteristics may be directed to SOC sales representatives.