

General Precautions

To ensure safe use, be sure to read it before use.

To ensure safe use, be sure to comply with the following precautions and the handling precautions for the category of product you are using. Feel free to contact the Customer Service Center if you have any questions.

Precautions for Use (1/2)

- Check product specifications before use.
- Use products within the rated voltage and current.
- Products not specifically specified for AC or DC can be used with either.
- Take care not to lose terminal screws, mounting nuts or other parts removed during installation or wiring of products.
- When disposing of products, packaging boxes, etc., comply with statutory requirements, including ordinances.
- Solderability depends on actual conditions such as equipment and board on which the product is to be mounted. Be sure to check after the product is mounted on the equipment.
- When using a soldering iron for soldering, do not press it onto the terminals using excessive load.

When using one of our company's fuse holders, derate the current after referring to the Handling Precautions.

- When using terminal blocks, other products, it is recommended to derate the rated current by 30% or more. (Use at 70% or less of the rated value) e.g.: When the rated current is 10 A, it is recommended that the product is used at 7 A or less.
- Before use, carefully check the operation of the product after it is mounted on equipment.
- If the product has a polarity indication, use it according to the polarity indication.
- When using our products on equipment that requires high quality and high reliability and whose failure or malfunction may directly threaten human life or cause injury (nuclear power control, aerospace equipment, transportation equipment, medical equipment, various safety devices, etc.), please consult with us in advance.
- When a product uses the screw type wire connection method, the screw part may become loose due to vibration and changes in the temperature in the operating environment, etc., potentially resulting in contact failure or heat generation. Therefore, tighten screws regularly.
- Soldering must be performed quickly.
- To avoid the risk of electric shocks, consider how to appropriately mount the product so that nobody can touch it while the power is on.
- If conductive objects fall onto or come into contact with exposed charged parts, a short circuit may occur. Consider appropriate equipment design that can prevent such things from falling on or coming into contact with exposed parts and can ensure safety even if falling occurs.
- When using a product that is designed to be fixed, be sure to securely fix it on a firm component.
- When installing a product, ensure sufficient insulation distance from surrounding objects.
- When screws are provided with a product, do not use screws other than those attached to the product.
- When using a crimped terminal, select one that matches the terminal width (distance between insulation walls), screw diameter, and the wire to be connected.
- When using plug-in terminals (e.g.: ML-40-S1AXF, F-700-B, etc.), be careful not to twist them when inserting them into or removing them from receptacles.
- Ensure you have a good understanding of the structure, performance and characteristics of each product before use. Using a product under incompatible conditions may lead to unexpected accidents.
- Provide some allowances (in terms of various conditions including voltage and current) when selecting wires, crimp terminals and others to be connected to the products.
- Even when the rated voltage of a product is the same as that of others, the required insulation distance may differ from product to product. Make sure before use that the product satisfies the distance required by the end user.
- When tightening screws that are not connected to wires, the tightening torque must be between 0.2 and 0.3 N-m. (The torque range for some products is different from the above. Be sure to check the individual specifications before use.)

Precautions for Use (2/2)

- Do not use a product for anything other than its intended purpose.
- Do not disassemble or modify products.
- For cleaning after mounting, check the precautions for each product.

Operating and Storage Environment

- All of our products are designed for indoor use. Do not use or store them outdoors.
- Do not use or store products in areas exposed to direct sunlight, where condensation or freezing may occur.
- Do not use or store products in an environment subject to vibration or impacts.
- Do not use or store products in hot, cold, moist, dusty places or places exposed to water, various kinds of oil, chemicals (including detergents) and corrosive gases, etc.
- Be sure to keep products out of the reach of children.

Maintenance of Plastic Parts

- When plastic parts of products in use get dirty, wipe them with a dry cloth, etc. Depending on the solvent used (including detergents, etc.), the plastic parts may crack or break.
- In particular, note that acrylic resins are susceptible to organic solvents and alcohols, while polycarbonate resins are susceptible to organic solvents and alkalis.

About this site

- Note that due to product improvements or other reasons the contents of this site are subject to change without notice.
- When choosing products, ask for and check the latest specifications and drawings.
- If the information on this site differs from the contents of individual specifications or drawings, the individual specifications or drawings take precedence.
- The colors of products may differ slightly from the those on the screen.
- If the contents of the English site and the Japanese site are different, the contents of the Japanese site take precedence.