

Handling Precautions for Screwless Terminal Blocks (SL-ML)

To ensure safe use, be sure to read these precautions together with the general precautions.

Feel free to contact the Customer Service Center if you have any questions.

Precautions for Use

- Check the product specifications before use.
- Use the appropriate product mounting method (ensuring insulation distance), connecting wires, and copper foil pattern of printed circuit in accordance with the working voltage and current.
- The rated current represents the maximum current that one pole can carry. When a product allows the connection of two or more wires to one pole, make sure that the total current does not exceed the rated current.
- Note that only copper wires can be used as connecting wires.
- When connecting and disconnecting wires, make sure that the power is off.
- Do not insert or connect any electric wires that fall outside the range of applicable wires.
- When stripping off a wire sheath, check the strip-off length specified for each product. When a product has a strip gauge, use the strip gauge.
- Connect only one wire per slot. Connecting two or more wires to one slot may cause a malfunction.
- When connecting or disconnecting a wire, press and hold the button at the lower limit (press it in and hold it). There are some products that do not require the button operation when connecting a solid wire.
- The number of wire connections of some terminal blocks is limited depending on the number of button operations; be sure to check the number before use in consideration of the operation frequency.
- Before inserting or removing a plug from a receptacle of a connector-type product, make sure that no load is applied (the power is off).
- Using too much flux before soldering may cause the flux to get into the connection part, which may lead to connection failures. Use an appropriate amount of flux.
- Note that products cannot be used in the following places: hot or cold places; moist places; places where condensation or freezing occurs; places exposed to direct sunlight; places subject to vibration and impacts; dusty places; places exposed to water, various types of oils, chemicals (including detergent), corrosive gases, etc.
- Note that as a general rule products are not washable.
- The product specifications show the diameters and cross-sectional areas of wires. When there is a disparity between the value in mm² and that in AWG, apply the value in mm².
- The terminal blocks are for indoor equipment. Do not use them for outdoor purposes.
- When inserting or removing a plug from a receptacle of a connector-type product, keep it straight without twisting it.
- Solderability depends on actual conditions, such as equipment and printed circuit board on which the product is to be mounted, including flux creep-up. Be sure to check after the product is mounted on the equipment.
- Note that products certified to overseas standards are subject to restrictions on specifications according to each overseas standard.
- When fixing a connecting wire, make sure there is no tension on the connected wire.
- When mounting the product, do not apply excessive tightening torque exceeding the specified tightening torque.
- When connecting or disconnecting electric wires, be careful not to apply more load than necessary. Especially when handling terminal blocks for printed circuit boards, take care not to apply load to the PC terminals when mounting and operating the product.
- Do not disassemble or reassemble coupled products as doing so may cause quality problems to occur.
- The actual size of some coupled products may be smaller than the total length obtained by calculations and the pitch between mounting holes on the board. When mounting such a product on actual equipment, stretch it slightly in the pitch direction so that it is aligned with the holes.
- The white adherents on buttons are accumulations of fluororesin applied to the buttons to make the operation of the buttons smoother. There is no quality issue with the product.
- Do not use soldered stranded wires, or connection failures may occur.