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Antistatic Precautions Before Using MELSEC iQ-R Series Products

■Date of Issue
January 2022
■Relevant Models
MELSEC iQ-R series

Thank you for your continued support of Mitsubishi Electric MELSEC iQ-R series programmable controllers.

We are informing you of the antistatic precautions before using the MELSEC iQ-R series products.

1   STORAGE GUIDELINES

Products must be safely packed and kept in a vibration-free environment.

Avoid areas where static electricity is likely to be generated.

- Avoid metal cabinets or desks placed on a carpet because static electricity can build up on them.
- Avoid plastic cases because static electricity is likely to build up on them.

2   HANDLING GUIDELINES

Before handling the modules, discharge the static electricity from the human body.

Do not use the modules in areas where static electricity is likely to be generated.

When the modules have been just unpacked, static electricity may built up on them. Eliminate static electricity, referring to Chapter 3.

☞ Page 2 ELIMINATING STATIC ELECTRICITY

Do not put the modules on a metal plate before eliminating static electricity from the module. Doing so may cause failure of the modules due to electrostatic discharge.

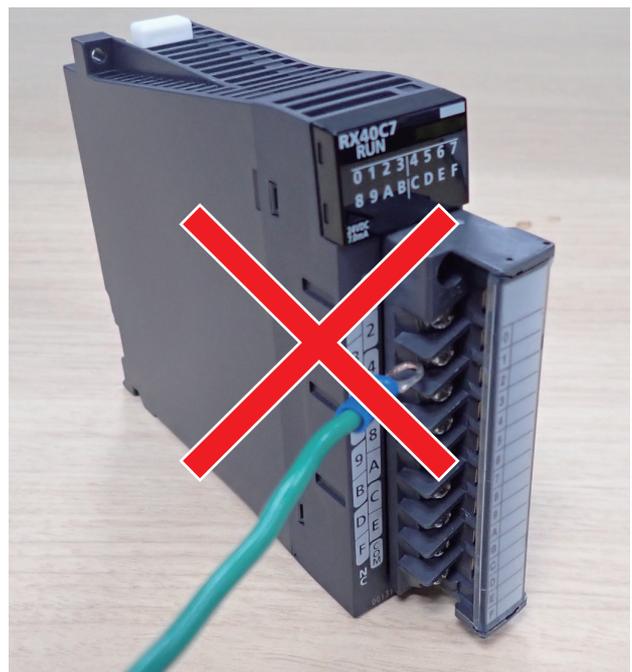# MITSUBISHI ELECTRIC CORPORATION

3　ELIMINATING STATIC ELECTRICITY

- Eliminate static electricity on an insulated workbench, such as one with an insulating mat or a wooden table.
- Use a static eliminator brush made of antistatic fibers. Lightly place the brush and move it back and forth over the surfaces of the module, except the surfaces with the bus connector or the Ethernet connector, about five times each.

Precautions

- Dot not allow the brush to touch the bus connector and Ethernet connector. Doing so can cause the entry of foreign material into the module.
- Do not use a static elimination method such that a grounding wire is directly connected to a terminal block or a connector.

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REVISIONS

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