

## Safety Precautions For Static Electricity Before Using MELSEC MX Controller MX-R Model and MELSEC iQ-R Series Models

### ■Date of Issue

January 2022 (Ver. B: May 2025)

### ■Relevant Models

MELSEC MX Controller MX-R model and MELSEC iQ-R series models

Thank you for your continued support of Mitsubishi Electric products; FA Integrated Controller MELSEC MX controller MX-R model and programmable controller MELSEC iQ-R series.

This technical bulletin informs you of safety precautions for static electricity before using the MELSEC MX Controller MX-R model and MELSEC iQ-R series models.

## 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 have 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.

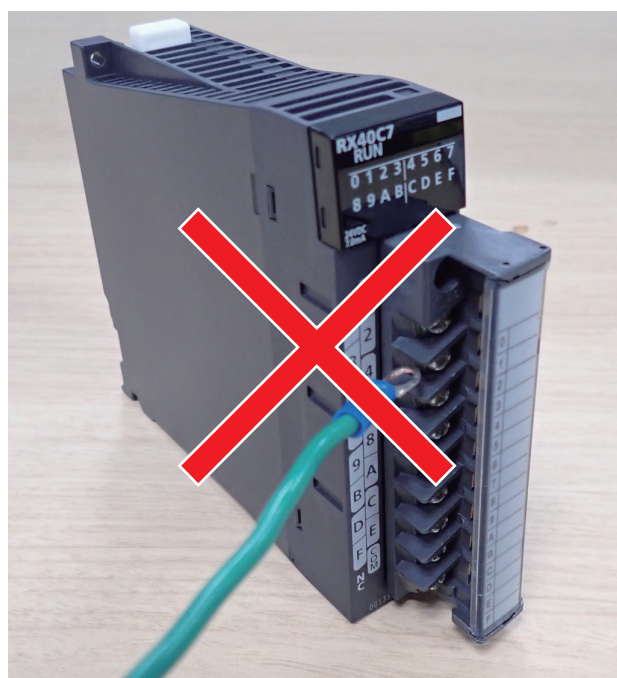
### 3 ELIMINATING STATIC ELECTRICITY

- 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.



#### Precautions

- Do 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.



**REVISIONS**

Version	Date of Issue	Revision
A	January 2022	First edition
B	May 2025	Added the MELSEC MX Controller MX-R model to the relevant models.

**TRADEMARKS**

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