Use the product according to the following safety standards.

Region:
- International IEC61508, IEC62061, ISO13849, IEC61131-2, IEC61010-2-03

Safety CPU

As a programmable controller, it is required to maintain safety functions for general industrial machinery and comply with the Machinery Directive (2006/42/EC).

Before using this product, please read this manual (Instruction) carefully and ensure you fully understand its operability, maintainability, and environmental resistance. For details, refer to the relevant manuals and the safety standards carefully and pay full attention to safety to handle the product correctly.

1. Safety Programmable Controller Product List

<table>
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<tr>
<th>Product name</th>
<th>Model</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Safety CPU</td>
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</table>

2. Relevant Manuals

The following lists the safety programmable controller manuals. The following lists the manuals required to ensure the operability, maintainability, and safety consciousness. If you have any questions, please contact your local Mitsubishi documentation.

- Model name:
  - MELSEC iQ-R Safety Application Guide SH-081538ENG
  - Instructions, Standard Functions/Function Blocks
  - MELSEC iQ-R CPU Module User’s Manual (Application) SH-081264ENG
  - MELSEC iQ-R CPU Module User’s Manual (Startup) SH-081263ENG
  - MELSEC iQ-R Module Configuration Manual SH-081262ENG

3. Safety Standards

The product is designed to comply with the following safety standards.

- MELSEC iQ-R CC-Link IE Field Network User’s Manual (Application)
- MELSEC iQ-R CC-Link IE TSN User’s Manual (Application)
- Manual for the remote station (safety station) or remote device station (safety station)
- MELSEC iQ-R CC-Link IE TSN User’s Manual (Application)
- MELSEC iQ-R CC-Link IE TSN User’s Manual (Application)

4. Installations

When installing a programmable controller or a control panel, the following must be considered. Do not install the equipment if the conditions are not fulfilled. The following conditions are fulfilled: the location and the control panel as well as other parts that must be installed on the safety CPU are well-ventilated and installed on the main circuit board within the maximum recommended temperature range.

5. Module Status after Power-on and LED Indication

- When installing a programmable controller to the control panel, do not install it in areas where there are high temperatures, high humidity, or strong vibrations. Install the device at the right site of the control panel.

6. Calculations of the target future measure (PFDavg/PFH)

PFDavg of Safety CPU (paired with safety function module) *2 110 years*1 95.2%*1

For the (Calculation result of "result" reduce to the nearest multiple of 2.)

7. Safety Response Time

Users must prove that their entire safety system complies with the safety standards and safety programmable controllers and safety components. The target failure measure (PFDavg/PFH) is calculated based on the following formula.

8. EU Declaration of Conformity

EU DECLARATION OF CONFORMITY

Manufacturer: MITSUBISHI ELECTRIC CORPORATION
Address: 2-1-1, Ramagumi, Ohsawa-ku, Yokohama City, Kanagawa Prefecture, Japan

EU representative: MITSUBISHI ELECTRIC CORPORATION (EMEA) GMBH
Address: Hohe Straße 10, 31300 Bielefeld, Germany

Authorized representative: MITSUBISHI ELECTRIC CORPORATION
Address: hoofdvestiging Eindhoven, P.O. Box 80 086

Applicable European directives: 2006/42/EC, 2014/30/EU

Applicable standards: EN 61508, EN 62061, EN 13849, EN 61131-2, EN 61010-2-03

EU Declaration Issue Date: 27 July 2017

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