## Compliance with EC directive (CE Marking)

This product is CE marked in accordance with the Electromagnetic Compatibility (EMC) Directive 2014/30/EU and other relevant EU directives, ensuring it meets the harmonized standards applicable to this product.

### 1.2 Incorporated Items

- A 70 Vdc fuse (S/S 24 V DC power terminal for STOP input and DOG input)
- RP, PG0, and CLR signal wires, on the end nearest the servo amplifier.

### 3.3 Wiring Precautions

1. **Note:** This symbol mark is for China only.

### 3.4 Output specifications and wiring example

<table>
<thead>
<tr>
<th>Group</th>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group 3</td>
<td>Digital input signal</td>
<td>Input voltage: 5 to 24 V DC, Current consumption: 1.5 mA max, Input state: Both inputs are 0 V or both inputs are 5 V, Input isolation: 500 V AC for one minute.</td>
</tr>
<tr>
<td>Group 3</td>
<td>Digital output signal</td>
<td>Output state: 1.5 V or less, Output frequency: 1 Hz to 200 kHz, Output isolation: 500 V AC for one minute.</td>
</tr>
</tbody>
</table>

### 3.5 Input specifications and wiring example

1. **Note:** For details on installation, refer to the following manual. Refer to the MELSEC iQ-F FX5UC User's Manual (Hardware). The FX5UC User's Manual (Hardware) is provided in the folder MELSEC iQ-F FX5UC User's Manual (Hardware) (Accessibility) on the accompanying CD/CD-ROM.

### 3.6 Operation and wiring example

- SJQ: Red LED
- PG0+: Power terminal for zero point signal
- DOG: Terminal for DOG input or interrupt input
- CLR: Terminal for CLR signal output
- RP: Terminal which outputs reverse pulse or direction signal

### 3.7 Wiring Precautions

1. **Note:** This symbol mark is for China only.
3.1 Applicable PLC
Specifications are subject to change without notice.

- FX3U-1PG
- MELSEC iQ-F FX5U
- Basic & Applied
- FX5UC PLC*2

3.2 General Specifications
- DIN rail mounting
- Relay (24 VDC, 30 VAC, 0.5 A)
- Solid state relay (24 VDC, 0.5 A)
- Operation display LED ON at output ON
- Max. load current 20 mA or less
- Power LED (green)
- Stop terminal for STOP input or interrupt input
- 10% ON current
- Output frequency 1 Hz to 200 kHz
- Group 1
- Group 2
- CLR: CLR signal
- DOG: DOG signal
- F0: F0 signal
- F1: F1 signal
- F2: F2 signal
- F3: F3 signal
- F4: F4 signal
- 1.4 Status LEDs
- LED color
- Monitor input
- Monitor output
- Program execution
- Manual operation
- Master operation
- Slave operation
- Communication mode
- PLC program
- Communication
- Blocking
- 1.5 Terminal Layout

For details on the wiring, refer to the MELSEC iQ-F FX5UC User’s Manual (Hardware).
Compliance with EC directive (CE Marking)

This product does not guarantee that an entire mechanical module produced in an industrial community will comply with the following standards. However, this product complies with the following standards:

- CE Marking
- 2004/108/EC (Low Voltage Directive)
- 2006/95/EC (EMC Directive)
- 94/9/EC (ATEX Directive)
- 2014/30/EU (RoHS Directive)
- 2011/65/EU (WEEE Directive)

For details on the wiring needed to connect to the terminal blocks shown in the instruction manuals, refer to the respective PLC manual.

Requirements for Compliance with EMC directive

The following products shown compliance through declaration of the certified body, and are designed by the manufacturer so that the system will be shielded for the environmental conditions (3.2) when used as described by the equipment manufacturer.

This product is designed for use in industrial applications.

4. Assembly

4.1 Transportation

In order to avoid careless handling and maintenance, follow the transportation and storage precautions in the instruction manuals.

4.2 Installation

Installation must be done by a certified electronic waste disposal company for the environmentally safe disposal of electronic waste.

4.3 Disposal

- The disposal size of the cable end should follow the dimensions described in the manual.
- The disposal size of the circuit end should follow the dimensions described in the instruction manuals.
- The disposal size of the inside of the cabinet should follow the dimensions described in the instruction manuals.

4.4 Inspection

If the products show damage, follow the inspection procedures in the instruction manuals.

5. Environment

5.1 Environment of Use

This product has been manufactured under strict quality control. However, the sales and handling conditions, the environmental conditions, and the mechanical and electrical characteristics of the system may cause malfunctions.

5.2 Environment of Storage

This product has been designed for use in industrial applications. Therefore, it is designed to withstand up to 90% (3.50") environmental conditions and 90% (0.36") environmental conditions.

5.3 Environment of Installation

This product has been designed for use in industrial applications. Therefore, it is designed to withstand up to 90% (3.50") environmental conditions and 90% (0.36") environmental conditions.

5.4 Environment of Disposal

This product has been designed for use in industrial applications. Therefore, it is designed to withstand up to 90% (3.50") environmental conditions and 90% (0.36") environmental conditions.

5.5 Environment of Repair

This product has been designed for use in industrial applications. Therefore, it is designed to withstand up to 90% (3.50") environmental conditions and 90% (0.36") environmental conditions.

6. Safety Precautions

6.1 Safety Precautions

This product has been designed for use in industrial applications. Therefore, it is designed to withstand up to 90% (3.50") environmental conditions and 90% (0.36") environmental conditions.

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