2.2 Mounting

The product is mounted by the following method:

- Torx mounting

The product can be mounted with 5mm screws by using the direct mounting holes (2.5mm diameter, position 1) for the product mounting holes. (position 2), for the product mounting holes. An interaxial space between each of 1mm x 0.5mm (position 2 or 3) is necessary. For further details of installation, also refer to the following manual.

For details, refer to the MELSEC iQ-F FX5U Series User’s Manual (Hardware Edition).

2.2.1 D/H Mounting

The product can be mounted with D/H mounting (Model: D/H-15W, FX3U-14DA-15AC-W, etc.).

- 1) If the upper edge of the D/H mounting is at the same height as the product, press the D/H mounting, instead of pressing the product, against the D/H mounting.

3. Wiring

3.1 Applicable Cable and Terminal Tightening Torque

The size of the terminal screws 6.3mm (0.25"

When the screws are tightened, use the following procedure in order to prevent breakages of the screws and terminal boxes.

1. Determine the tightening torque that can be used.

2. Fasten the terminal block so that it is tightened by the determined torques.

3. Attach the equipment and connect to the terminal block.

3.2 Power Supply Wiring

For the power supply wiring, refer to the following manual.

- Refer to the MELSEC iQ-F FX5U Series User’s Manual (Hardware Edition).

3.3 Wiring of Analog Output

For the terminal layout, refer to Subsection 1.2.2 (in this manual).

- For details, refer to the MELSEC iQ-F FX5U Series User’s Manual (Hardware Edition).

4. Specifications

4.1 Applicable PLC

The following PLCs can be used:

- FX3U-4DA PLC

- For details, refer to the MELSEC iQ-F FX5U Series User’s Manual (Hardware Edition).

4.2 General Specifications

The specifications of this product are shown in the table below.

- For details, refer to the MELSEC iQ-F FX5U Series User’s Manual (Hardware Edition).

4.3 Power Supply Specifications

For the power supply specifications, refer to Subsection 1.2.2 (in this manual).

- For details, refer to the MELSEC iQ-F FX5U Series User’s Manual (Hardware Edition).

4.4 Performance Specifications

For further information of installation arrangements, refer to the following manual.

- For details, refer to the MELSEC iQ-F FX5U Series User’s Manual (Hardware Edition).

4.5 Output characteristics

The output characteristics of each output are as follows.

- For details, refer to the MELSEC iQ-F FX5U Series User’s Manual (Hardware Edition).

For safe use

- This product has been manufactured as a general purpose PLC, and may be used for any application except for those that require high reliability and high precision.

- This product has been manufactured under strict quality control. However, if the product fails, its failure is not a function failure of the system.

- The user shall assume responsibility for all risks of the use of this product, except for those that require high reliability and high precision.
This manual classifies the safety precautions into two categories:

1. Handling precautions
2. Installation precautions

1. Handling precautions

- Compliance with EC directive (CE Marking)
- Effective May 2018
- This product is classified as follows according to the CE Marking Directives.

2. Installation precautions

- The following product does not include the earthing terminal.
- Install the product securely using a DIN rail or mounting screws.
- Connect extension cables securely to their designated connectors.
- Use the product within the generic environment specifications described in PLC installation instructions.

3. Wiring

- Connect the product to the main circuit or high-voltage lines.
- Do not connect the product to the main circuit or high-voltage lines.

---

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

---

**Risk Group:** There is a possibility of injury and property damage.

---

**Warning:**

- The risk of fire, electrical shock, and malfunction.
- The use of incorrect handling may cause hazardous equipment or malfunction.

---

**Certification of UL, cUL standards**

- For FX3U/FX3G/FX3GC/FX3U/FX3UC series.

---

**Usage Environment**

- Use the product within the generic environment specifications described in PLC installation instructions.
2.1 External Dimensions, Port Names, and Terminal Layout

2.1.1 External Dimensions and Port Names

2.2 Installation

2.2.1 Wiring

The product may be mounted horizontally or vertically (DIN46227, 35mm width). To prevent overheating, ensure that the internal temperature never exceeds 60°C. For details, refer to the MELSEC iQ-F FX5U Series User's Manual (Hardware).