When incorporating the Mitsubishi PLC into other machinery or equipment and keeping compliance with the EMC and low voltage directives, refer to the "EMCDirectives and Low Voltage Directives" of the User’s Manual (Hardware) included with the CPU module or base unit used. Depending on the D/A converter module’s model name.

1. Overview

This manual explains specifications and the names of the components for the Q8BDQ type D/A converter module (hereafter Q8BDQ) and the Q8BDA1 type D/A converter module (hereafter Q8BDA1) which are used in combination with the MELSEC-Q Series CPU module. In this manual, both the Q8BDQ and Q8BDA1 are referred to as D/A converter module. After unpacking, confirm that the following products are enclosed.

2. Specifications

The specifications for the D/A converter module are shown in the following table. For general specifications, refer to the operation manual for the CPU module being used.

3. Part Names

This section explains the names of the components for the D/A converter module.

4. Handling Precautions

(1) Do not drop the module or cause it to receive strong impact.

(2) Tighten the terminal screw for the specific function shown below. Insufficient tightening torque could result in shorts, failures or malfunction.

5. Wiring

5.1 Wiring precautions

(1) Use separate cables for the external output signal or external power supply for the AC and D/A converter module. Take steps to prevent the AC side from being affected by surge or insulation failure.

(2) Ground one point of the shield for the un twisted or shielded cables.

5.2 External wiring

6. External Dimensions

This section explains the installation dimensions and wiring specifications for the D/A converter module.

CAUTION

Be careful not to let foreign matters such as sawdust or wire chips get inside the module.

These may cause fires, failure or malfunction.

[Design Precautions]

Set the output terminal of the D/A converter module within the range of specified torque. When using the PLC in an environment with static electricity, be sure to use a grounding wire or conductive sheeting to prevent static electricity from damaging the module.

[Installation Precautions]

Always turn off the power supply before handling. Be careful not to let foreign materials such as sawdust or wire chips get inside the module.

These may cause fires, failure or malfunction.

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<td>MELSEC-Q</td>
<td>Q-8BDQ, U-JF-JE</td>
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Specifications subject to change without notice.

Mitsubishi Electric shall not be liable for any loss caused by reasons for which Mitsubishi is not held responsible. Mitsubishi reserves the right to alter the design of the products described in this manual if necessary. If the quality of the product was not guaranteed, the product may be serious accident or loss.

Warranty

Mitsubishi Electric shall not be liable for any loss caused by reasons for which Mitsubishi is not held responsible. Mitsubishi reserves the right to alter the design of the products described in this manual if necessary. If the quality of the product was not guaranteed, the product may be serious accident or loss.

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