1. Outline
FX5-CCL-MS is an intelligent function module for connecting to a CC-Link network as a master station or an intelligent device station. It is equivalent to the CPU module. However, do not use common grounding with heavy electrical equipment. A PLC other than Mitsubishi Electric, MELSEC iQ-F FX5UJ CPU module is referred to as FX5-CCL-MS (JY997D73501D).

1.1 Incorporated Items
- Communication circuit
- Combination circuit
- Terminal block
- Signal cable
- Panel
- Integrated rack

1.2 Wiring for the terminal block
- Ensure that the wiring is securely connected.
- Ensure that the wire cannot be pulled out of the terminal block.
- Ensure that the wire does not touch the connector or the terminal block.

1.3 Electrical Characteristics
- Voltage: +24V DC or +24V AC
- Current consumption: 100mA
- Operating temperature range: 0°C to 50°C
- Humidity range: 90% or less (non-condensing)

1.4 Terminal Layout (CC-Link connection terminal block)

1.5 Power Supply Specifications
- Input voltage: 24V DC
- Input current: 100mA
- Ripple voltage: 5% or less
- Input frequency: 50Hz or 60Hz

2. Installation
2.1 Installation Precautions
- Ensure that the equipment is installed in a safe area.
- Ensure that the equipment is installed in a location where it will not be exposed to direct sunlight.
- Ensure that the equipment is installed in a location where it will not be exposed to dust or other contaminants.

2.2 Installation Procedures
- Disconnect the power supply before installing the device.
- Install the device according to the installation instructions provided with the device.
- Ensure that the device is installed securely and safely.

3. Wiring
3.1 Applicable Cable
- The communication cable used in this module is a shielded cable.

4. Specifications
4.1 CPU Module
- Number of I/O points:
  - Remote I/O (RX, RY): 896 points
  - Remote input (RI): 256 points
  - Remote output (RO): 256 points

4.2 Power Supply Specifications
- Input voltage: 24V DC
- Input current: 100mA
- Ripple voltage: 5% or less
- Input frequency: 50Hz or 60Hz

4.3 Warnings
- Do not apply voltage to the power supply terminals.
- Do not apply voltage to the power supply terminals.
- Do not apply voltage to the power supply terminals.

4.4 Performance Specifications
- Number of stations:
  - Remote I/O station: 24 points
  - Remote input station: 128 points
  - Remote output station: 128 points

4.5 Precautions
- Ensure that the cable is securely connected.
- Ensure that the cable is securely connected.
- Ensure that the cable is securely connected.

4.6 Precautions
- Ensure that the cable is securely connected.
- Ensure that the cable is securely connected.
- Ensure that the cable is securely connected.

5. Appendix
5.1 Appendices
- Appendix A
- Appendix B
- Appendix C

Mitsubishi Electric Corporation

Manual: MELSEC iQ-F FX5-CCL-MS
Hardware Manual

WARNING
- Do not apply voltage to the power supply terminals.
- Do not apply voltage to the power supply terminals.
- Do not apply voltage to the power supply terminals.

CAUTION
- Do not apply voltage to the power supply terminals.
- Do not apply voltage to the power supply terminals.
- Do not apply voltage to the power supply terminals.

PRECAUTIONS
- Ensure that the cable is securely connected.
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1. Outline

FX5-CCL-MS type CC-Link system master/intelligent device module (hereinafter referred to as the FX5-CCL-MS) is an intelligent function module for connecting to a CC-Link network.

1.1 Incorporated Items

- FX5-CCL-MS module
- Power Connector (CREX-12P-150VAC-1.5A or CREX-12P-230VAC-1.5A)
- Product name label
- LED display
- Terminal cover (provided as an accessory)

2. Power Supply Specifications

- Input voltage: 100V-240VAC ±10%
- Input current: 1.5A
- Input power: 150W

3. Wiring

3.1 Applicable Cables

- Double shielded stranded copper cable is required. Here refers to the following specifications:
  - Conductor: Shielded stranded copper wire, 24 AWG, 2 conductors
  - Shield material: Copper
  - Shield coverage: 100%

3.2 Wiring Precautions

- Make sure to use shielded cables. If not, the noise may cause device failure or malfunctions.

4. Precautions

- Failure to properly clean the equipment may cause equipment failures or malfunctions.

5. Appendix

- MELSEC fx5-CCL-MS User's Manual (Hardware)