CC-Link/LT Dedicated Power Supply

歌唱

1. Introduction

This product is dedicated power supply for the CC-Link/LT system. The power supply delivers power to the power and communication cables with the DC-0V and +24V power terminals. The total output current of the power supply is 2A. The power supply is used for power wiring of the I/O module, and the power supply is also used for power wiring of devices that receive power from the dedicated power supply.

2. Specifications

- **Product Code**: CL1PSU-2A
- **Input Voltage**: 20 to 264 VAC
- **Output Voltage**: 24 VDC
- **Output Current**: 2 A
- **Input Current**: 50 mA or less
- **Input Power**: 100 to 240 VAC, 50/60 Hz
- **Environment**: Non-condensing, 5 to 55°C

3. Installation

The power supply must be installed in a shielded metal control panel. It is necessary to install the CL1 series module in a shielded metal control panel. If the driving voltage (20.4 V) cannot be assured in a used remote I/O module in CC-Link/LT, power is supplied via a terminal block.

4. Construction Cautions

- **Installation**: Install the power supply in a control panel. If wiring is performed incorrectly, fire, failure or malfunction may occur. It is necessary to install the CL1 series module in a shielded metal control panel. Use the product having sufficient strength and fire resistance when installing the product where major accidents could occur. The CL1PSU-2A must be connected to the control equipment or system used in purposes related to human life.
- **Cables**: Use crimp-style terminals and cables with a conductor cross-sectional area of 0.7 mm² (0.03") or more. If wiring is performed incorrectly, fire, failure or malfunction may occur. It is necessary to install the CL1 series module in a shielded metal control panel.

5. System power calculation method

The following power consumption graphs should be used for power calculation. The power consumption graphs show the relationship between power consumption and output current. The power consumption graphs were obtained by using the power supply unit and are shared and used by the customers. The power consumption graphs show the relationship between power consumption and output current. The power consumption graphs were obtained by using the power supply unit and are shared and used by the customers.

6. Outline of Product

- **Product**: Dedicated power supply for the CC-Link/LT system
- **Applications**: Power wiring of the I/O module, power wiring of devices that receive power from the dedicated power supply

7. Outline of this manual

- **Safety Precautions**: The CE marking is for China only.
- **Environmental Precautions**: Conforms to the Low Voltage Standards (LVD) and the EN61000-6-4 standard.
- **Wiring Precautions**: Conforms to the Low Voltage Standards (LVD) and the EN61000-6-4 standard.

8. Outside dimensions

A detailed drawing of the outside dimensions is provided. The dimensions are measured in millimeters.

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This manual is designed for industrial applications.

Please read the manual carefully and pay special attention to safety in order to ensure the correct use of the equipment.

1. Precautions

- Please ensure proper ventilation around the equipment to allow for adequate airflow. An overheated environment may lead to equipment failure.
- Do not allow children or unauthorized personnel to access the installation area.
- Ensure that all necessary safety equipment is available and used as required.

2. Safety Precautions

- Always wear appropriate protective gear, such as gloves and safety glasses, when handling the equipment.
- Disconnect the power supply before performing any maintenance or testing procedures.
- Turn off the power supply when the control panel is opened.

3. General Specifications

- OPERATING ALTITUDE: 0 to 2000 meters
- ambiance temperature: -25°C to 75°C
- HUMIDITY: up to 90% relative humidity, non-condensing
- EQUIPMENT INSTALLATION: Indoor environment

4. Packaging Information

- The equipment is shipped in a protective box to prevent damage during transport. Handle with care.
- Keep the packaging material for future use if the equipment needs to be returned for service.

5. Power Supply

- The power supply must be connected to a dedicated power supply with a minimum capacity of 1500V AC for one minute.
- Ensure the power supply is properly grounded to prevent electrical hazards.

6. Output Power

- The maximum output power is limited to 1A2A. Exceeding this limit may cause damage to the equipment.
- Always monitor the output current to avoid overloading the system.

7. Interconnection

- Interconnect the equipment using the appropriate cables, ensuring proper connection to prevent data loss.
- Regularly inspect the interconnection connections to ensure a strong and secure connection.

8. Troubleshooting

- If the equipment fails to operate correctly, check the power supply, interconnection cables, and control signals.
- Consult the troubleshooting section in the manual for specific error codes and solutions.

9. Conclusion

- Follow all safety guidelines and precautions to ensure the safe and effective use of the equipment.
- Regular maintenance and monitoring are essential for the longevity and performance of the equipment.

10. Appendix

- Detailed specifications, wiring diagrams, and additional information are provided in the appendix section of the manual.
- Contact Mitsubishi Electric for any further assistance or support with the equipment.
5. Construction Cautions

5.1 Installation

5.1.1 Installation guidelines

Always use the specified parts (including disappointed parts) for installation. The power supply must be installed in accordance with the instruction. If the installation is not done correctly, it may cause a fire or malfunction.

5.3 Wiring

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7. Performance

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