



MR-J5 Servo amplifier Model MR-J5-10 to MR-J5-700 MR-J5-60 4 to MR-J5-350 4 MR-J5W2-22 to MR-J5W2-1010 MR-J5W3-222 to MR-J5W3-444

Safety Instructions and Precautions for AC Servos

Table with 4 columns: Country/Region, Sales office, Tel, and specific contact information for various regions like USA, Germany, China, Korea, and Japan.

- 2.1 Professional engineer
2.2 Applications of the devices
2.3 Correct use
2.4 General cautions for safety protection and protective measures

2.4.1 Peripheral device and power wiring
The following are selected based on IEC/EN/UL 61800-5-1, and CSA C22.2 No. 474.

Table 1. Recommended wires and Table 2. Recommended crimp terminals. Includes columns for wire size, crimp terminal, and manufacturer.

- 2.4.2 Selection example of MCCB and semiconductor fuse
2.4.3 Grounding
2.4.4 Surge protector
2.4.5 Branch circuit protection
2.4.6 South Korea compliance

Table 1. Recommended wires and Table 2. Recommended crimp terminals. Includes columns for wire size, crimp terminal, and manufacturer.

- 2.4.5 Branch circuit protection
2.4.6 South Korea compliance
2.4.7 USA/Canada compliance
2.4.8 General cautions for safety protection and protective measures

Table 1. Recommended wires and Table 2. Recommended crimp terminals. Includes columns for wire size, crimp terminal, and manufacturer.

- 2.4.8 General cautions for safety protection and protective measures
2.4.9 EMC requirement
2.4.10 Declaration of Conformity (DoC)
2.4.11 USA/Canada compliance
2.4.12 South Korea compliance

Table 1. Recommended wires and Table 2. Recommended crimp terminals. Includes columns for wire size, crimp terminal, and manufacturer.

- 2.4.12 South Korea compliance
2.4.13 USA/Canada compliance
2.4.14 General cautions for safety protection and protective measures

Table 1. Recommended wires and Table 2. Recommended crimp terminals. Includes columns for wire size, crimp terminal, and manufacturer.

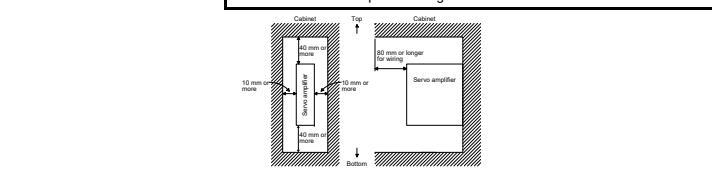
- 2.4.14 General cautions for safety protection and protective measures
2.4.15 USA/Canada compliance
2.4.16 South Korea compliance

Table 1. Recommended wires and Table 2. Recommended crimp terminals. Includes columns for wire size, crimp terminal, and manufacturer.

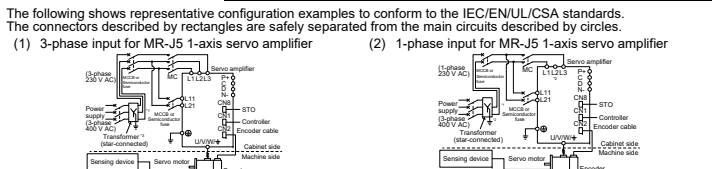
- 2.4.16 South Korea compliance
2.4.17 USA/Canada compliance
2.4.18 General cautions for safety protection and protective measures

- (6) Protect the cables with appropriate ways
(7) Keep the required clearance/creepage distance depending on voltage you use.
2.6 Disposal
2.7 Lithium battery transportation

3. Mounting/dismounting
Installation direction and clearances



- 4. Electrical Installation and configuration diagram
4.1 3-phase input for MR-J5 1-axis servo amplifier
4.2 1-phase input for MR-J5 1-axis servo amplifier



- 5.1 Signal
5.2 I/O device
5.3 Signals and STO state

Tables for Input device, Output device, and Functional safety I/O signal connector. Includes columns for Symbol, Device, Connector, Pin No., and descriptions.

- 6. Maintenance, service and trouble shooting
6.1 Inspection items
6.2 Parts having service life

Table for Servo amplifier Life guideline. Includes columns for Part name, Life guideline, and descriptions.

- 6.3 Trouble shooting for STO
6.4 Environment

Table for Servo amplifier Operation, Transportation, and Storage. Includes columns for Ambient temperature, Humidity, and other environmental factors.

Table for Servo amplifier Vibration resistance. Includes columns for Vibration resistance, Altitude/atmospheric pressure, and other factors.

- 6.5 Vibration resistance
6.6 Altitude/atmospheric pressure

Table for Servo amplifier Specifications. Includes columns for Item, Specifications, and descriptions.

Table for Servo amplifier Functional safety. Includes columns for Item, Specifications, and descriptions.

Table for Servo amplifier Dimensions/mounting hole process drawing. Includes columns for Servo amplifier, Variable dimensions [mm], and Mass [kg].

Table for Servo amplifier Variable dimensions [mm]. Includes columns for Servo amplifier, Variable dimensions [mm], and Screw size.

- 9. Check list for user documentation
9.1 Warranty period and coverage
9.2 Term of warranty after the stop of production
9.3 Service in overseas countries

9.4 Exclusion of loss in opportunity and secondary loss from warranty liability

- 9.5 Change of Product specifications
9.6 Application and use of the Product

- 9.7 Application and use of the Product
9.8 Application and use of the Product

- 9.9 Application and use of the Product
9.10 Application and use of the Product

- 9.11 Application and use of the Product
9.12 Application and use of the Product

- 9.13 Application and use of the Product
9.14 Application and use of the Product

WARNING Indicates that incorrect handling may cause hazardous conditions, resulting in death or severe injury. CAUTION Indicates that incorrect handling may cause hazardous conditions, resulting in medium or slight injury.

In this installation guide, cautionary items such as precautions that may lead to property damages, and instructions for other functions are classified as "POINT".