

Release of MR-J5/MR-JET Series General-Purpose AC Servo Amplifiers (400 V) with a Special Coating Specification

Thank you for your continued patronage of the Mitsubishi Electric AC servo system.

We would like to inform you of the release of MR-J5-_-EB, MR-J5-_-RB, MR-J5-_-HB, and MR-JET-_-HB, which are MR-J5/MR-JET series general-purpose AC servo amplifiers featuring a specially-coated board.

1. Target Model

- MR-J5-_-G4-EB(N1), MR-J5-_-B4-EB, and MR-J5-_-A4-EB
(MR-J5-_-G4(-N1), MR-J5-_-B4, and MR-J5-_-A4 with a special coating specification)
* Capacity of 7 kW or less
- MR-J5-_-G4-RB(N1)
(MR-J5-_-G4-RJ(N1) with a special coating specification) * Capacity of 3.5 kW or less
- MR-J5-_-B4-RB and MR-J5-_-A4-RB
(MR-J5-_-B4-RJ and MR-J5-_-A4-RJ with a special coating specification) * Capacity of 7 kW or less
- MR-J5-_-G4-HB(N1)
(MR-J5-_-G4-HS(N1) with a special coating specification) * Capacity of 7 kW or less
- MR-J5D-_-G4-EB(N1)
(MR-J5D-_-G4(-N1) with a special coating specification)
- MR-JET-_-G4-HB(N1)
(MR-JET-_-G4-HS(N1) with a special coating specification)

2. Special Specifications

Using the MR-J5/MR-JET series in an atmosphere containing a corrosive gas may cause its corrosion with time, resulting in a malfunction. For the printed circuit board of the servo amplifiers with a special coating specification, a coating agent is applied to some parts capable of being coated technically (except connectors, terminal blocks, etc.) to improve the resistance to corrosive gases. Use a servo amplifier with a special coating specification specifically for applications susceptible to corrosive gases, including tire manufacturing and water treatment. Although the special coating-specification products have the improved resistance to corrosive gases, proper operations in environments mentioned above are not guaranteed. Therefore, perform periodic inspections for any abnormality.

3. Corrosive Gases

In IEC 60721-3-3, corrosive gases refer to sea salt, sulfur dioxide, hydrogen sulfide, chlorine, hydrogen chloride, hydrogen fluoride, ammonia, ozone, and nitrogen oxides.

The special coating-specification products have the improved corrosion resistance in environments with corrosive gas. We have tested typical models and confirmed that their corrosive gas resistance was improved, compared with the standard models.

4. Schedule

Orders will be accepted from May 2025. For details, contact your local sales office.

Date of issue	May 2025	Title	Release of MR-J5/MR-JET Series General-Purpose AC Servo Amplifiers (400 V) with a Special Coating Specification	Mitsubishi Electric Corp., Nagoya Works 1-14, Yada-minami 5-chome, Higashi-ku, Nagoya 461-8670 Tel.: +81 (52) 721-2111 Main line
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