

MR-JE-300B

Industrial automation components

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| Manufacturer | Mitsubishi |
| Catalog number | mr-je-300b |
| Category | Industrial automation components |
| Product type | Industrial automation components |
| Status | Active product |

Technical specification

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| Material Number | 281980 |
| Business Area Code | EN |
| Product Category | SERVO |
| Pricing Group | EN - MR-JE |
| Product Name | MR-JE-300B |
| Marketing Note [PL] | 768.6 |
| Class Code | 100100502 |
| Class Description | FA-Servo-Motion: Servo Amplifier |
| Sub Product Line | SERVO and Motion |
| Product Hierarchy Code | IAK30013 |
| Product Line | MR-JE |
| Gross Weight (kg) | 2.524 |
| Gross Length (cm) | 29.5 |
| Gross Width (cm) | 22 |
| Gross Height (cm) | 12 |
| Customs Tariff Code | 85371091 |
| Country of Origin | JP |
| ABC Classification | B |
| Product Marketing Description | Digital AC-Servo Amplifier MR-JE, for Rated Motor Power up to 3 kW, SSCNETIII/H |

Description

The Mitsubishi Electric MR-JE-300B is a digital AC servo amplifier designed for precise motion control in industrial automation applications. Part of the MELSERVO-JE series, it delivers a rated output of 3 kW with a 3-phase 170 V AC output voltage and a rated current of 11.0 A. The amplifier operates with a power supply input of 3-phase or 1-phase 200 V AC to 240 V AC, accommodating a permissible voltage fluctuation from 170 V AC to 264 V AC and a permissible frequency fluctuation within $\pm 5\%$. It features a built-in dynamic brake and utilizes the SSCNET III/H communication interface with command communication cycles of 0.444 ms and 0.888 ms. The MR-JE-300B complies with global standards, including CE marking (LVD: EN 61800-5-1, EMC: EN 61800-3) and UL Standard UL 508C. Its structure is force-cooled and open (IP20) rated, suitable for indoor environments without direct sunlight and free from corrosive gases, inflammable gases, oil mist, or dust. The amplifier operates within an ambient temperature range of 0°C to 55°C and has a gross weight of 2.1 kg.