Mitsubishi □□ □□□ □□□ Series Service Manual

MR-J3-60BRJ004U516

1. Description

The Mitsubishi MR-J3-60BRJ004U516 is an advanced AC servo drive in the MELSERVO MR-J3 series. It operates on a supply voltage between 200 Vac and 230 Vac and supports single-phase and three-phase inputs. This servo drive includes features like a built-in regenerative resistor and dynamic brake, making it suitable for various high-performance applications.

2. Specifications

Specification	Value
Manufacturer	**Mitsubishi**
Product	**Line MELSERVO MR-J3**
Part	**Number MR-J3-60BRJ004U516**
Rated	**Current 3.2 A**
Rated	**Active Power (kW) 600 W / 0.6 kW**
Supply	**Voltage (AC) 200 Vac - 230 Vac (200 V class; 220 Vac / 230 Vac)**
Type	**of Network Single-phase input (2P) or 3-phase input (3P)**
Regenerative	**Resistor Built-in**
Dynamic	**Brake Built-in**
LM-U2	**Devices Compatible**
Main	**Function AC Servo Drive**
Elevation	**1000 m above sea level**
Structure	**Self-cooling open (IP00)**

3. Product Information

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Technical specifications for MR-J3-60BRJ004U516

Manufacturer Mitsubishi

Product Line MELSERVO MR-J3

www.AutoDCSTech.com

Part Number MR-J3-60BRJ004U516

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Rated Active Power (kW) 600 W / 0.6 kW

Supply Voltage (AC) 200 Vac - 230 Vac (200 V class; 220 Vac / 230 Vac)

Type of Network Single-phase input (2P) or 3-phase input (3P)

Regenerative Resistor Built-in

Dynamic Brake Built-in

LM-U2 Devices Compatible

Main Function AC Servo Drive

Elevation 1000 m above sea level

Structure Self-cooling open (IP00)

Description

Mitsubishi’s part number MR-J3-60BRJ004U516 is an integral component of the MELSERVO MR-J3 drive lineup, designed specifically for AC servo applications. With a rated current of 3.2 A, this servo drive delivers high functionality under demanding conditions. Operating within a voltage range of 200 Vac to 230 Vac, it accommodates both single-phase (2P) and three-phase (3P) electrical systems.

The MR-J3-60BRJ004U516 servo drive features a built-in regenerative resistor alongside a dynamic brake, ensuring effective energy management and safety during operations. It stands out for being compatible with LM-U2 devices, enhancing its versatility in various setups. The MR-J3-60BRJ004U516 drive can operate efficiently at elevations of up to 1000 meters above sea level. The self-cooling structure is classified as IP00, indicating an open design without additional enclosure, which is typically appropriate for installations in controlled environments that avoid exposure to contaminants.