

MDS-B-SPJ2-22

Industrial automation components

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| Manufacturer | Mitsubishi |
| Catalog number | mds-b-spj2-22 |
| Category | Industrial automation components |
| Product type | Industrial automation components |
| Status | Active product |

Technical specification

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| Weight | 0.74 kgs |
| Voltage | 200 - 230 V |
| Current | 10 A |
| Power | 2.2 kW |
| Frequency | 50 - 60 Hz |
| Cooling Capacity | 2.2 kW |
| Product Type | Drive |
| Signal Level | 230 V |
| Horsepower | 2.2 KW |
| Signal Type | 230 |
| Relay Specifications | 230 VAC |

Description

The Mitsubishi MDS-B-SPJ2-22 is a high-performance AC spindle drive unit designed for precision control in CNC applications. Operating on a 3-phase 200V to 230VAC power supply at 50/60Hz, it delivers a continuous rated output of 2.2 kW and a short-time rated output of 2.2 kW, ensuring reliable performance for demanding machining tasks. The drive unit features a sinusoidal PWM control method with current control type vector control, providing smooth and accurate spindle speed regulation. It supports a speed control range from 35 to 10,000 r/min, accommodating a wide array of machining requirements. The MDS-B-SPJ2-22 is equipped with protective functions including overcurrent, overvoltage, overload, undervoltage, and overheat protection, safeguarding both the drive unit and connected equipment. Designed for in-panel installation, it has compact dimensions of 168×90×195 mm and weighs approximately 2.3 kg, facilitating easy integration into existing systems. This drive unit is ideal for applications requiring precise spindle control, such as milling, drilling, and other CNC machining processes.