

MDS-B-SVJ2-10

Industrial automation components

Manufacturer	Mitsubishi
Catalog number	mds-b-svj2-10
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	2.27 kgs
Cooling Capacity	1 kW
Signal Type	230
Signal Level	230 V
Relay Specifications	230 VAC
Voltage	200 - 230 V
Power	1 kW
Product Type	Drive

Description

The Mitsubishi MDS-B-SVJ2-10 is a high-performance servo drive unit from the MELDAS AC Servo series, designed to deliver precision motion control for demanding industrial automation systems. With a 1 kW power rating, this servo drive is ideal for light to medium-duty applications that require accurate positioning, speed regulation, and torque control. Known for its reliability and smooth operation, the MDS-B-SVJ2-10 is a popular choice for CNC machinery, robotics, and automated production lines. This servo drive operates on a 3-phase power supply with an input voltage range of 200–230 VAC at 50/60 Hz, accommodating voltage fluctuations between 170 and 253 VAC. It employs sine wave PWM control and current control methods to ensure precise motor control. The MDS-B-SVJ2-10 features a built-in dynamic brake and offers options for a built-in or external regenerative resistor, enhancing its versatility in various applications. For enhanced safety and control, the MDS-B-SVJ2-10 includes external digital inputs for emergency stop functions and external digital outputs for contactor and brake control. It also supports external analog outputs rated at $\pm 10V$, providing flexible integration with other systems. The drive is equipped with comprehensive protection functions, including excessive current protection, regenerative excessive voltage protection, overload protection, and more, ensuring reliable operation in demanding environments. With its compact design and robust feature set, the Mitsubishi MDS-B-SVJ2-10 servo drive is well-suited for integration into tight control panels and machines, making it a valuable component in advanced industrial automation systems.