

## MDS-B-V1-35

Industrial automation components

<b>Manufacturer</b>	Mitsubishi
<b>Catalog number</b>	mds-b-v1-35
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	4.13 kgs
<b>Voltage</b>	270 - 311 V
<b>Signal Type</b>	311
<b>Frequency</b>	50 - 60 Hz
<b>Product Type</b>	Drive
<b>Signal Level</b>	311 V
<b>Relay Specifications</b>	230 VAC

### Description

The Mitsubishi MDS-B-V1-35 is a high-performance single-axis AC servo drive designed for precise motion control in industrial automation systems. Manufactured by Mitsubishi Electric, this drive offers a rated output of 3.5 kW, making it suitable for applications requiring accurate positioning and high response speeds, such as robotics, CNC machines, and packaging systems. The drive operates with a DC input voltage of approximately 270–311 V DC and an AC input voltage of 200–230 V AC, compatible with both 50 Hz and 60 Hz systems. It delivers an output voltage of 155 Vrms and a rated output current of 13 Arms, with a maximum output current of 42 Arms. The MDS-B-V1-35 utilizes Mitsubishi's advanced servo control technology, ensuring smooth operation and high response speeds. It supports various communication protocols, including RS485, SSCNET III, and Ethernet, allowing seamless integration with other devices in the automation system. The drive features multiple digital and analog input/output terminals for easy interfacing with sensors, actuators, and PLCs. Built to withstand harsh industrial environments, the MDS-B-V1-35 has a robust construction with protective features like overcurrent and overvoltage protection. It operates effectively within an environmental temperature range of 0°C to 55°C and has a compact design with dimensions of 380 x 60 x 300 mm and a weight of 4.5 kg. This servo drive is an ideal solution for applications demanding high precision and reliability in motion control.