MDS-B-V14-45

Industrial automation components

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Manufacturer	Mitsubishi
Catalog number	mds-b-v14-45
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Drive
Voltage	AC
Rated Output Power	4.5 kW
Main Input Voltage	270–311 VDC
Control Supply Voltage	200–230 VAC
Motor Output Current	28 A
Control Method	Vector and Servo Control
Protection Features	Overcurrent, Overvoltage, Overtemperature

Description

The Mitsubishi MDS-B-V14-45 is a high-performance servo drive engineered for precise motion control in industrial automation applications. Designed to deliver a rated output power of 4.5 kW, it operates efficiently with a DC main supply voltage ranging from 270 to 311 VDC and a single-phase AC control supply of 200 to 230 VAC.

This servo drive is compatible with Mitsubishi Electric's HA and HC Series servo motors, ensuring seamless integration within Mitsubishi's MELDAS MDS-B Series CNC systems. Key features include a three-phase motor output rated at 28 A, vector and servo control methodologies for superior performance, and protection mechanisms against overcurrent, overvoltage, and overtemperature conditions.

The MDS-B-V14-45 is suitable for applications requiring precise motion dynamics and reliable performance.

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