AUTOMATION TRADER

MDS-D-SP-40

Industrial automation components

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Manufacturer	Mitsubishi
Catalog number	mds-d-sp-40
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Input Voltage	200 to 230 V AC
DC Bus Voltage	283 to 325 V DC
Output Voltage	0 to 230 V AC
Frequency Range	0 to 1000 Hz
Cooling Method	Forced Air
Protection Class	IP20
Dimensions	60 x 380 x 200 mm
Weight	4.5 kg
Compatible Motor Types	HF, HF-KP, HF-SP

Description

The Mitsubishi MDS-D-SP-40 is a high-performance spindle drive unit from the MDS-D series, engineered for precise control of spindle motors in CNC machine tools. Designed to handle a continuous power output of 4.0 kW, it ensures reliable operation in demanding industrial environments.

The unit operates with a rated input voltage of 200 to 230 V AC, accommodating fluctuations between +10% and -15%, and a DC bus voltage ranging from 283 to 325 V DC. It delivers an output voltage of 0 to 230 V AC, with a frequency range up to 1000 Hz, supporting high-speed communication via the optical CNC bus.

The MDS-D-SP-40 features forced air cooling and has a protection class of IP20, making it suitable for various industrial applications. Its compact design measures 60 x 380 x 200 mm and weighs 4.5 kg, facilitating easy integration into existing systems.

This spindle drive unit is compatible with Mitsubishi's HF, HF-KP, and HF-SP series motors, offering versatility in motor selection. For detailed specifications and integration guidelines, refer to the official Mitsubishi CNC manual.

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