MDS-C1-SPM-110

Industrial automation components

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Manufacturer	Mitsubishi
Catalog number	mds-c1-spm-110
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Input Voltage	200–230 VAC
Continuous Power Output	11.0 kW
Cooling Method	Forced-air cooling with external heat sink and fan
Supported Encoder Types	Motor PLG, Magnetic Sensor, Spindle End PLG
Communication Interface	Mitsubishi High-Speed CNC Bus (SH21)

Description

The Mitsubishi MDS-C1-SPM-110 is a high-performance spindle drive unit from the MELDAS C1 series, engineered for precise control of AC spindle motors in CNC machine tools. Designed for the 200V class, it operates with a three-phase input voltage of 200–230 VAC at 50/60 Hz, delivering a continuous power output of 11.0 kW.

The unit features a forced-air cooling system with an external heat sink and fan, ensuring efficient thermal management during operation. It supports various encoder feedbacks, including motor PLG, magnetic sensors, and spindle end PLG, facilitating versatile integration with different spindle motors.

The MDS-C1-SPM-110 is equipped with Mitsubishi's High-Speed CNC Bus (SH21) communication interface, enabling seamless integration into Mitsubishi CNC systems. Its compact design, measuring 90 mm in width, allows for flexible installation in space-constrained environments.

This spindle drive unit is ideal for applications requiring high precision and reliability, such as in CNC machining centers and automated manufacturing systems.

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