AUTOMATION TRADER

MDS-C1-SPM-150

Industrial automation components

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Manufacturer	Mitsubishi
Catalog number	mds-c1-spm-150
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Rated Output	15.0 kW
Rated Voltage	155 VAC
Rated Current	49.0 A
Input Voltage	270 to 311 VDC
Control Method	Sine wave PWM, Current control
Braking	Regenerative braking
External Analog Output	0 to +10V, 2 channels
Cooling Method	Natural cooling, Forced air cooling (fin)
Degree of Protection	IP00
Weight	6.5 kg

Description

The Mitsubishi MDS-C1-SPM-150 is a high-performance AC spindle drive unit designed for precision control in CNC machinery. With a rated output of 15.0 kW, it ensures efficient and reliable operation for demanding industrial applications.

This spindle drive operates on a rated voltage of 155 VAC and a rated current of 49.0 A, providing robust power handling capabilities. The input voltage ranges from 270 to 311 VDC, accommodating various power supply configurations.

The MDS-C1-SPM-150 employs a sine wave PWM control method and current control method, delivering smooth and precise motor control. It features regenerative braking, enhancing operational safety and

efficiency.

The drive unit includes external analog outputs (0 to +10V, 2 channels) for various adjustments, offering flexibility in system integration. Designed with natural cooling and forced air cooling (fin), it maintains optimal operating temperatures under varying conditions.

The unit has a degree of protection rated at IP00, suitable for open environments. Weighing approximately 6.5 kg, it is compact and suitable for integration into space-constrained setups. The MDS-C1-SPM-150 is part of Mitsubishi's MDS-C1/CH-N series, known for its reliability and advanced features in industrial automation.

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