AUTOMATION TRADER

MDS-EH-SP-100

Industrial automation components

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Manufacturer	Mitsubishi
Catalog number	mds-eh-sp-100
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	1-axis spindle drive unit
Rated Output Voltage	323V AC V
Rated Output Current	43A
Input Voltage Range	513 to 648V DC V
Control Method	Sine wave PWM
Braking Method	Regenerative braking
External Analog Output	0 to +5V, 2 channels V
Stopień ochrony	IP20
Cooling Method	Forced air cooling
Mass	7.5 kg

Description

The Mitsubishi MDS-EH-SP-100 is a high-performance 1-axis spindle drive unit designed for precise control in industrial automation applications. Part of the MDS-EH Series, it offers a rated output voltage of 323V AC and a rated current of 43A, ensuring efficient operation for demanding tasks.

The drive unit operates with a DC input voltage range of 513 to 648V, accommodating various power configurations. It utilizes a sine wave PWM control method, providing smooth and accurate spindle control.

The MDS-EH-SP-100 features regenerative braking, enhancing safety and performance during deceleration. External analog outputs (0 to +5V, 2 channels) are available for various adjustments,

offering flexibility in system integration.

With a degree of protection rated at IP20 (excluding the terminal block) and forced air cooling, the unit is built to withstand industrial environments. Its compact design, with a mass of 7.5 kg, allows for easy integration into existing systems.

This spindle drive unit is ideal for applications requiring high-speed, high-accuracy control, such as CNC machinery and precision manufacturing processes.