MDS-E-V2-20

Industrial automation components

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Manufacturer	Mitsubishi
Catalog number	mds-e-v2-20
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	2-Axis Servo Drive Unit
Rated Voltage	270 to 324 VDC
Rated Current	14 A
Peak Current	20 A
Control Power Input	200 to 240 VAC, 50/60 Hz V, Hz
Weight	4.5 kg
Cooling Method	Forced Air Cooling
Dynamic Brakes	Built-in
Encoder Compatibility	Machine-end Encoder Compatible
Degree of Protection	IP20 (excluding terminal block)
Control Method	Sine Wave PWM

Description

The Mitsubishi MDS-E-V2-20 is a high-performance 2-axis servo drive unit designed for precision control in industrial automation applications. Part of the MDS-E series, it offers advanced features to enhance system performance.

Key specifications include a rated voltage of 270 to 324 VDC, a rated current of 14 A, and a peak current of 20 A. The control power input operates at 200 to 240 VAC with a frequency of 50/60 Hz. The unit measures 4.5 kg and utilizes forced air cooling.

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It features built-in dynamic brakes and is compatible with machine-end encoders. The degree of protection is IP20, excluding the terminal block. The MDS-E-V2-20 employs a sine wave PWM control method for precise motor control.

These features make it suitable for applications requiring high-speed, high-accuracy control, such as CNC machinery and robotic systems.