AUTOMATION TRADER

MDS-D-V2-4020

Industrial automation components

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Manufacturer	Mitsubishi
Catalog number	mds-d-v2-4020
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Input Voltage	380–480 VAC
Continuous Output Power	11.0 kW
Rated Current (Axis 1)	40 A
Rated Current (Axis 2)	20 A
Dimensions	90 x 380 x 265 mm
Weight	6.5 kg
Ambient Operating Temperature	0 to 55 °C

Description

The Mitsubishi MDS-D-V2-4020 is a dual-axis AC servo drive unit from Mitsubishi's MDS-D series, engineered for high-performance control in CNC and motion-control systems. Designed to operate with a 3-phase 380–480 VAC input, it delivers a continuous output of approximately 11.0 kW, with rated currents of 40 A for Axis 1 and 20 A for Axis 2.

The drive features a built-in dynamic braking system, ensuring rapid deceleration and enhanced safety during operation. Utilizing sine wave pulse width modulation (PWM) control and current control methods, it offers precise and efficient motor control.

The unit is housed in a compact form factor measuring 90 x 380 x 265 mm and weighs approximately 6.5 kg, making it suitable for integration into space-constrained environments. With an ambient operating temperature range of 0 to 55 °C, the MDS-D-V2-4020 is built to withstand various industrial conditions, providing reliable performance in demanding applications.