MDS-D-V2-8040

Industrial automation components

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Manufacturer	Mitsubishi
Catalog number	mds-d-v2-8040
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Manufacturer	Mitsubishi Electric
Part Number	MDS-D-V2-8040
Product Type	Dual-Axis Servo Drive
Rated Output Voltage	155 V AC
Rated Current (Axis A)	16 A
Rated Current (Axis B)	11 A
Rated Input Voltage	270 to 311 V DC
Rated Input Current	14 A
Control Method	Sine Wave PWM and Current Control
Maximum Current	80 A
Cooling Method	Forced Ventilation
Protection Rating	IP20

Description

The Mitsubishi MDS-D-V2-8040 is a dual-axis servo drive unit designed for precise motion control in industrial applications. Manufactured by Mitsubishi Electric, this model offers robust performance with a rated output voltage of 155 V AC and a rated current of 16 A for Axis A and 11 A for Axis B.

It operates with a rated input voltage of 270 to 311 V DC and a rated current of 14 A, ensuring efficient energy utilization. The drive employs sine wave pulse width modulation (PWM) control combined with current control, facilitating smooth and accurate motion control.

Automation Trader
960 Capability Green
Luton, Bedfordshire LU1 3PE
VAT ID: PL6463009354
REGON: 527345886
DUNS: 427734105
BDO: 000726360

Phone
+44 7418 359 399

Email
info@automationtrader.com

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With a maximum current capacity of 80 A for both axes, it is suitable for demanding applications requiring high torque and responsiveness. The MDS-D-V2-8040 features forced ventilation cooling and has an IP20 protection rating, making it suitable for various industrial environments.

Its compact dimensions (height: 380 mm, width: 60 mm, depth: 200 mm) and operating temperature range of 0 to 55°C allow for flexible installation and reliable operation in diverse settings. This servo drive is compatible with Mitsubishi's MDS-D2 series motors, offering a comprehensive solution for advanced motion control systems.