

MDS-C1-V1-45

Industrial automation components

Manufacturer	Mitsubishi
Catalog number	mds-c1-v1-45
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	4.26 kgs
Power	4.5 kW
Cooling Capacity	4.5 kW
Voltage	AC
Horsepower	4.5 KW
Product Type	Drive

Description

The Mitsubishi MDS-C1-V1-45 is a high-performance 4.5 kW AC servo drive designed for precise motion control in industrial automation applications. Manufactured by Mitsubishi Electric, this servo drive is part of the MDS-C1 series, known for its reliability and advanced features. It operates efficiently under a single-phase input voltage of 200-230 V AC, making it suitable for various industrial environments. The MDS-C1-V1-45 utilizes vector control with servo feedback, ensuring accurate and responsive motion control. It is compatible with Mitsubishi's HA and HC series servo motors, providing flexibility in system integration. The drive features built-in dynamic braking, enhancing safety and performance during rapid decelerations. With an enclosure rating of IP20, it is designed for installation in control panels or enclosures. The MDS-C1-V1-45 is ideal for applications requiring precise positioning and high torque, such as CNC machinery, robotics, and automated assembly lines. Its robust design and advanced features make it a reliable choice for demanding industrial tasks.