

HDS02.2-W040-N

Industrial automation components

Manufacturer	Indramat
Catalog number	hds022-w040-n
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	2.59 kgs
Voltage	530 - 670 V
Product Type	Drive
Current	37 A
Frequency	1000 Hz
Signal Type	670
Signal Level	670 V
Relay Specifications	500 VAC

Description

The Indramat HDS02.2-W040N is a high-performance drive controller from the DIAX04 series, engineered for precise control of MKD, MHD, and 2AD series AC motors in industrial robotics and machine tool applications. Designed to operate with a rated current of 40 A, it delivers a maximum output current of 20 A and supports output voltages up to 500 V. The controller operates efficiently at switching frequencies up to 1000 Hz, ensuring rapid response and precise motor control. Equipped with a built-in internal air blower, the HDS02.2-W040N maintains optimal operating temperatures, enhancing system reliability. It complies with Class C insulation standards per DIN VDE 0110, ensuring robust electrical insulation. The device is designed to function within an ambient temperature range of 5°C to 45°C, making it suitable for various industrial environments. With a weight of 6.5 kg, it offers a compact yet robust solution for demanding automation tasks. The HDS02.2-W040N is compatible with multiple-axis and single-axis control applications, providing versatility in system configurations. Its modular design allows for integration with various plug-in modules, facilitating customization to meet specific application requirements. This drive controller is an ideal choice for applications requiring precise motor control, high reliability, and adaptability in industrial automation systems.