

HDS03.1-W100N

Industrial automation components

Manufacturer	Indramat
Catalog number	hds031-w100n
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Drive Controller
Controller Family	DIAX04
Rated Current	100 A
Continuous Current at 4 kHz	50 A
Continuous Current at 8 kHz	35 A
Cooling Method	Built-in Internal Air Blower
Communication Interface	SERCOS
Ambient Temperature Range	5°C to 45°C
Storage Temperature Range	Up to 85°C
Dimensions	290 mm x 103 mm x 325 mm
Weight	11 kg
Compatible Motors	MKD, 2AD, 1MB AC motors

Description

The Indramat HDS03.1-W100N is a high-performance drive controller from the DIAX04 series, engineered for precise motion control in industrial automation systems. Designed for integration within sealed control cabinets, this controller is ideal for applications requiring reliable and efficient drive solutions. It features a rated current of 100 A, with continuous currents of 50 A at 4 kHz and 35 A at 8 kHz, ensuring robust performance under varying operational conditions. The controller utilizes a built-in internal air blower for cooling, maintaining optimal operating temperatures and enhancing system reliability. Communication is facilitated via the SERCOS interface, enabling seamless integration with other automation components. The device operates within an ambient temperature range of 5°C to 45°C and can be stored at temperatures up to 85°C, offering flexibility in diverse industrial environments. With a compact design measuring 290 mm in length, 103 mm in width, and 325 mm in height, and weighing 11 kg, the HDS03.1-W100N is suitable for installations where space and weight considerations are critical. This drive controller is compatible with various Indramat motors, including MKD, 2AD, and 1MB AC motors, making it a versatile choice for a wide range of applications.