

KDA3.2-100-3-A00-W1

Industrial automation components

Manufacturer	Indramat
Catalog number	kda32-100-3-a00-w1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	15.87 kgs
Voltage	300 V
Current	100 A
Frequency	50 - 60
Signal Type	300
Signal Level	300 V
Relay Specifications	220 VAC
Product Type	Drive

Description

The Indramat KDA3.2-100-3-A00-W1 is a high-performance spindle drive controller engineered for precision motion control in demanding industrial applications. Designed by Indramat, a leader in automation technology, this drive offers a rated voltage of 300 V DC and a rated current of 100 A, ensuring reliable and efficient operation. It features a continuous current capacity of 70 A, making it suitable for extended duty cycles under full load. The drive accepts an analog ± 10 V speed command input, facilitating seamless integration with various control systems. An auxiliary encoder input is available for accurate speed and position feedback, enhancing system performance. The integrated cooling system includes a heatsink blower powered by a 220 V AC supply at 50–60 Hz, effectively dissipating up to 22 kW of spindle power while maintaining thermal stability. With a modular design, the KDA3.2-100-3-A00-W1 allows for rapid field servicing and streamlined upgrades without disrupting system uptime. Its robust construction and proven control algorithms make it ideal for high-speed milling, drilling, and precision grinding operations where reliability and accuracy are paramount. Maintenance teams benefit from its modular spare-part architecture, which accelerates repairs and keeps critical processes online.