

KDA2.1-100-3-A00-W1

Industrial automation components

Manufacturer	Indramat
Catalog number	kda21-100-3-a00-w1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Spindle Drive Controller
Rated Current	100 A
Continuous Current	70 A
Rated DC Bus Voltage	300 V
Speed Command Input	Analog ± 10 V
Cooling Method	Integrated Heat Sink Blower

Description

The Indramat KDA2.1-100-3-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 robust performance and reliability for CNC machining centers and automated production lines. Key features include a rated current of 100 A, a continuous current of 70 A, and a rated DC bus voltage of 300 V, ensuring stable power delivery across the operating range. The drive accepts an analog speed command input of ± 10 V, facilitating seamless integration with existing control systems. Thermal management is effectively handled by an integrated heat sink blower operating at AC 50–60 Hz, maintaining optimal performance under continuous load. The KDA2.1-100-3-A00-W1 is part of Indramat's KDA Spindle Drives series, recognized for their high stiffness and extensive speed range under continuous power. This drive is ideal for applications requiring rapid acceleration and deceleration cycles, such as milling, drilling, and grinding operations. Its modular design allows for easy maintenance and upgrades, minimizing downtime and enhancing operational efficiency. For more detailed specifications and integration guidelines, refer to the official Indramat USA product page.