

## KDA3.3-100-3-A0I-W1

Industrial automation components

<b>Manufacturer</b>	Indramat
<b>Catalog number</b>	kda33-100-3-a0i-w1
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Rated Voltage</b>	300 V DC
<b>Rated Current</b>	100 A
<b>Continuous Current</b>	70 A
<b>Speed Command Value</b>	Analog $\pm 10$ V
<b>Cooling Method</b>	Heatsink blower (220 VAC)
<b>Series</b>	3
<b>Design</b>	3

### Description

The Indramat KDA3.3-100-3-A0I-W1 is a high-performance spindle drive controller engineered for precision in demanding machining and automation environments. Designed for main spindle applications, this drive offers robust power electronics combined with intelligent control features to manage a wide speed range and high torque stiffness. It operates with a rated voltage of 300 V DC and a rated current of 100 A, sustaining a continuous current of 70 A for extended operations. The drive utilizes an analog  $\pm 10$  V speed command input, facilitating seamless integration with industry-standard feedback and command interfaces. Cooling is achieved through a built-in heatsink blower powered by a 220 VAC supply, ensuring optimal thermal management and long-term durability. As a Series 3, Design 3 unit in the KDA product line, it adheres to stringent Rexroth quality standards, supporting seamless integration with Bosch Rexroth Indramat control systems. This spindle drive is ideal for precision milling, turning, and grinding applications, offering consistent performance and reliability in high-duty-cycle machining centers.