

## KDA3.2-150-3-A0I-W1

Industrial automation components

<b>Manufacturer</b>	Indramat
<b>Catalog number</b>	kda32-150-3-a0i-w1
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	5.14 kgs
<b>Signal Level</b>	300 V
<b>Voltage</b>	300 V
<b>Current</b>	150 A
<b>Product Type</b>	Drive
<b>Signal Type</b>	300

### Description

The Indramat KDA3.2-150-3-A0I-W1 is a high-performance spindle drive controller engineered for demanding applications in CNC machining, milling, and grinding equipment. Designed by Indramat, a leader in industrial automation, this drive offers precise speed and position control, ensuring consistent performance under heavy loads. It operates with a rated voltage of 300 V DC and supports a peak current of 150 A, with a continuous current rating of 90 A, making it suitable for high-torque spindle acceleration and deceleration profiles. The drive features a modular architecture that simplifies integration into existing control cabinets, offering front-access terminal blocks and a compact footprint ideal for space-constrained installations. Thermal management is efficiently handled by an internal blower powered by an AC supply (50–60 Hz), which draws conditioned air across the heat sink assembly to maintain optimal junction temperatures. The KDA3.2-150-3-A0I-W1 accepts an analog  $\pm 10$  V speed command input and includes an auxiliary encoder input without a dedicated interface, accommodating incremental feedback for closed-loop accuracy. This drive is part of Indramat's KDA series, known for its robustness and reliability in continuous-duty applications. Its efficient thermal management and robust construction deliver exceptional reliability and uptime in continuous-duty applications. Ideal for precision manufacturing environments, this spindle drive accelerates commissioning and minimizes maintenance, making it a valuable asset for automated production lines and retrofit projects.