

## KDA3.2-050-3-A0S-W1

Industrial automation components

|                       |                                  |
|-----------------------|----------------------------------|
| <b>Manufacturer</b>   | Indramat                         |
| <b>Catalog number</b> | kda32-050-3-a0s-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                       |
| <b>Rated Current</b>       | 50 A                        |
| <b>Continuous Current</b>  | 35 A                        |
| <b>Speed Command Input</b> | Analog $\pm 10$ V           |
| <b>Cooling Method</b>      | Integrated heat sink blower |

### Description

The Indramat KDA3.2-050-3-A0S-W1 is a high-performance main spindle drive controller engineered for precision control in demanding industrial applications. Designed by Indramat, a leader in automation technology, this drive offers robust performance and reliability. Operating with a rated voltage of 300 V and a rated current of 50 A, it ensures efficient power management for spindle operations. The continuous current capability of 35 A supports sustained performance under heavy loads. The drive accepts an analog  $\pm 10$  V speed command input, facilitating seamless integration with standard motion controllers. Thermal management is achieved through an integrated heat sink blower operating on AC 115 V at 50–60 Hz, maintaining optimal operating conditions. The KDA3.2-050-3-A0S-W1 is ideal for applications requiring high stiffness and a wide speed range, such as CNC machining centers and automated production systems. Its modular design allows for straightforward on-site replacement of components, minimizing downtime and maintenance efforts. This drive exemplifies Indramat's commitment to delivering durable and precise automation solutions for complex industrial processes.