

## KDA2.1-150-3-A00-W1

Industrial automation components

|                       |                                  |
|-----------------------|----------------------------------|
| <b>Manufacturer</b>   | Indramat                         |
| <b>Catalog number</b> | kda21-150-3-a00-w1               |
| <b>Category</b>       | Industrial automation components |
| <b>Product type</b>   | Industrial automation components |
| <b>Status</b>         | Active product                   |

### Technical specification

|                                |                                  |
|--------------------------------|----------------------------------|
| <b>Product Type</b>            | Main Spindle Drive               |
| <b>Rated Current</b>           | 150 A                            |
| <b>DC Bus Voltage</b>          | 300 V                            |
| <b>Speed Command Value</b>     | Analog $\pm 10$ V                |
| <b>Cooling Method</b>          | Forced Cooled by Heatsink Blower |
| <b>Auxiliary Encoder Input</b> | Without                          |

### Description

The Indramat KDA2.1-150-3-A00-W1 is a high-performance main spindle drive engineered for precision motion control in industrial automation applications. Designed by Indramat, a leader in motion control technology, this drive offers a rated current of 150 A and operates on a 300 V DC bus, ensuring efficient power delivery. It accepts an analog  $\pm 10$  V speed command, facilitating precise speed regulation. The drive employs forced cooling via a heatsink blower, powered by a 220 VAC supply, to maintain optimal operating temperatures. Notably, it does not include an auxiliary encoder input or interface, streamlining its integration into systems where such features are unnecessary. This model is part of Indramat's KDA series, renowned for its robustness and reliability in demanding environments. Ideal for applications requiring high stiffness and an extensive continuous-speed range, the KDA2.1-150-3-A00-W1 excels in tasks such as high-speed machining centers, grinding spindles, and multi-axis milling machines. Its design ensures mechanical stability under dynamic loads, making it a dependable choice for critical manufacturing processes.