

TDA1.3-100-3-A00

Industrial automation components

Manufacturer	Indramat
Catalog number	tda13-100-3-a00
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	10.23 kgs
Current	100 A
Product Type	Drive
Voltage	300 V
Signal Type	300
Signal Level	300 V

Description

The Indramat TDA1.3-100-3-A00 is a high-precision main spindle controller engineered for demanding industrial applications. Designed to interface seamlessly with Indramat's 2AD asynchronous and 1MB frameless spindle motor series, this controller ensures consistent torque delivery across a broad speed range. It features a rated current of 100 A and a continuous effective current of 70 A, accommodating power outputs between 3 kW and 10 kW. The controller accepts an analog command value input, facilitating straightforward integration into existing systems. Its compact design, weighing 10.5 kg, allows for efficient use of space within control cabinets. The modular architecture combines spindle, power supply, and servo drive modules, offering flexibility and ease of maintenance. With a position control circuit achieving a resolution of 1/4,000,000th of a revolution, the TDA1.3-100-3-A00 delivers ultra-fine spindle positioning and reproducible motion profiles, making it ideal for high-precision machining tasks.