

TDA1.1-100-3-A00

Industrial automation components

Manufacturer	Indramat
Catalog number	tda11-100-3-a00
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	10.52 kgs
Voltage	300 V
Current	100 A
Signal Type	300
Signal Level	300 V
Product Type	Drive

Description

The Indramat TDA1.1-100-3-A00 is a high-performance main spindle controller designed for precise digital control of Indramat asynchronous and 1MB frameless spindle motors. Operating with a rated current of 100 A and a continuous effective current of 70 A, it ensures reliable and efficient motor management. The controller accepts an analog command value of $\pm 10V$, facilitating seamless integration into various automation systems. With a compact design, it measures 160 mm in height, 370 mm in length, and 320 mm in width, and weighs 10.5 kg, making it suitable for installations with space constraints. The TDA1.1-100-3-A00 operates within an ambient temperature range of 5°C to 45°C, ensuring stable performance in diverse industrial environments. Its IP10 protection rating indicates suitability for indoor use, and it dissipates heat through integrated air vents, eliminating the need for external cooling systems. This controller is ideal for applications requiring precise spindle control, such as CNC machines and other automated manufacturing processes.