

KDA1.1-100-300-W1

Industrial automation components

Manufacturer	Indramat
Catalog number	kda11-100-300-w1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Indramat
Part Number	KDA1.1-100-300-W1
Product Type	Main Spindle Drive
DC Bus Voltage	300 V
Current Rating	100 A
Cooling Style	Forced Cooling via Heatsink Blower
Mounting Orientation	Vertical
Programming Module	Modular with EEPROM Memory
Stiffness	High
Compatible Power Supply	KDV

Description

The Indramat KDA1.1-100-300-W1 is a high-performance main spindle drive engineered for demanding industrial applications. Designed for vertical mounting within control cabinets, it ensures optimal thermal management and safety. This drive operates with a DC bus voltage of 300 V and delivers a robust current rating of 100 A, making it suitable for precise spindle control in CNC and manufacturing systems. Equipped with forced cooling via a heatsink blower, it effectively dissipates heat, maintaining operational efficiency. The drive features a modular programming module with EEPROM memory, allowing for easy parameter cloning and rapid commissioning. Its high stiffness design minimizes vibration, ensuring precise motion control across a wide range of machining tasks. The KDA1.1-100-300-W1 is compatible with the KDV power supply, streamlining integration into existing power architectures. This drive is an ideal solution for applications requiring reliable power delivery, precise motion control, and simplified maintenance in advanced machining systems.