AUTOMATION TRADER

DKR031-W200B-BA05-01-FW

Industrial automation components

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Manufacturer	Indramat
Catalog number	dkr031-w200b-ba05-01-fw
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Indramat
Part Number	DKR03.1-W200B-BA05-01-FW
Product Type	Drive Controller
Rated Current	200 A
Input Voltage	3 × AC 400 to 3 × AC 480 V
Control Voltage	230 V
Control Power	200 VA
Maximum Motor Current	141 A
Peak Motor Power	55 kW
Regenerative Power	30 kW continuous, 55 kW peak
Feedback Type	Digital servo and resolver
Cooling Method	Air (built-in blower)

Description

The Indramat DKR03.1-W200B-BA05-01-FW is a high-performance drive controller engineered for precise positional and speed control of spindle and linear motors in industrial applications. Designed by Indramat, a leader in automation technology, this controller is ideal for demanding processes such as printing machines, paper-processing lines, and numerically controlled machining tools, where consistent motor power and a broad speed range are essential. Key features include a rated current of 200 A, an analog command interface for seamless integration, and a built-in blower cooling system to

maintain optimal operating temperatures. The controller operates with a three-phase input voltage of 3 × AC 400 to 3 × AC 480 V at a line frequency of 50–60 Hz, with a control voltage of 230 V and control power of 200 VA. It delivers a maximum motor current of 141 A, enabling output power up to approximately 55 kW at peak motor shaft power. Additionally, during regenerative events, it can supply up to 30 kW continuous and 55 kW peak regenerated power back to the supply. The DKR03.1-W200B-BA05-01-FW supports digital servo and resolver feedback, ensuring accurate motor positioning and speed control. Its design includes an air-cooled heatsink and bleeder network for safe discharge and temperature regulation under continuous operation. The controller meets the IP20 protection category per EN60529/IEC529, ensuring reliable performance in industrial environments. With its parameterizable features, the DKR03.1-W200B-BA05-01-FW can be tailored to specific process requirements, enhancing efficiency and minimizing downtime in demanding production processes.