

## DKR02.1-W300N

Industrial automation components

<b>Manufacturer</b>	Indramat
<b>Catalog number</b>	dkr021-w300n
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Brand</b>	Indramat
<b>Part Number</b>	DKR02.1-W300N
<b>Product Type</b>	Drive Controller
<b>Nominal Current</b>	300 A
<b>Continuous Current at 4 kHz</b>	141 A
<b>Control Power Voltage Range</b>	0 to 380 V
<b>Control Voltage Frequency</b>	50/60 Hz
<b>Cooling Method</b>	Air (built-in blower)
<b>IP Rating</b>	IP20
<b>Bus Configuration</b>	Rigid DC bus without brake chopper
<b>Motor Feedback</b>	Digital servo and resolver feedback

### Description

The Indramat DKR02.1-W300N is a high-performance drive controller engineered for precise control in industrial automation systems. Designed for AC spindle motors and frameless spindle motors, it delivers a nominal current of approximately 300 A and a continuous current of 141 A at 4 kHz, ensuring reliable operation in demanding applications. The controller operates within a control power voltage range of 0 to 380 V, with a rated control power voltage of 200 VA, and supports a control voltage frequency of 50/60 Hz. Cooling is managed via an integrated air-cooling blower, maintaining optimal performance during continuous operation. With an IP20 protection rating, the DKR02.1-W300N is built to withstand industrial environments. Its rigid DC bus design without a brake chopper simplifies system integration and enhances reliability. The controller is compatible with digital servo and resolver feedback, providing precise motor control. This unit is ideal for applications requiring high torque and precise motion control, such as machine tools, printing machines, and textile machines.