

DKR03.1-W200N

Industrial automation components

Manufacturer	Indramat
Catalog number	dkr031-w200n
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Indramat
Part Number	DKR03.1-W200N
Product Type	Drive Controller
Rated Current	200 A
Input Voltage	400–480 V AC
Frequency	50–60 Hz
Cooling Method	Air (built-in blower)
Feedback Type	Digital servo and resolver
Ambient Temperature Range	5°C to 45°C
Max Ambient Temperature	55°C
Max Installation Altitude	1000 m

Description

The Indramat DKR03.1-W200N is a high-performance drive controller engineered for precise motion control in industrial automation systems. Designed by Indramat, a leader in motion control technology, this controller is part of the DKR Series, known for its reliability and efficiency. Operating on a three-phase AC supply ranging from 400 V to 480 V at 50–60 Hz, it delivers a rated current of 200 A, suitable for demanding applications requiring consistent performance. The controller features a built-in blower for air cooling, ensuring optimal thermal management during continuous operation. It utilizes a rigid DC bus without a bleeder or brake chopper, enhancing system stability and reducing maintenance needs. The DKR03.1-W200N supports digital servo and resolver feedback, providing precise motor control and positioning. Its modular design allows for easy integration into various machine topologies, making it ideal for applications such as packaging lines, material handling systems, and automated assembly cells. With a maximum ambient temperature tolerance of 55°C and a maximum installation altitude of 1000 m, this controller is built to perform in diverse industrial environments. Its compact form factor facilitates integration into dense cabinet layouts while maintaining full access to front-panel diagnostics and service ports. The DKR03.1-W200N is engineered to deliver consistent and repeatable motion profiles under continuous operation, ensuring high reliability and performance in demanding industrial settings.