

DKR02.1-W200Z

Industrial automation components

Manufacturer	Indramat
Catalog number	dkr021-w200z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Indramat
Part Number	DKR02.1-W200Z
Product Type	Drive Controller
Motor Compatibility	2AD, ADF, LAR, LSF, 1MB series motors
Cooling Method	Air cooling with integrated blower
Feedback Type	Digital servo and resolver feedback
Communication Interface	SERCOS interface
Rated Current	200 A
Ambient Temperature Range	5°C to 45°C
Installation Elevation	Up to 1000 meters m
Enclosure Rating	IP20

Description

The Indramat DKR02.1-W200Z is a high-performance drive controller from the DKR series, engineered for precise motion and position control in industrial automation applications. Designed to operate seamlessly with Indramat's 2AD, ADF, LAR, LSF, and LMB series motors, this controller ensures optimal performance across a range of industrial machinery, including CNC machines, printing presses, and other precision equipment. Key features of the DKR02.1-W200Z include a built-in air cooling system with an integrated blower, maintaining optimal operating temperatures for continuous-duty cycles. It supports both digital servo and resolver feedback, facilitating accurate and reliable motor control. The controller utilizes the SERCOS interface for high-speed, deterministic communication, enabling synchronized multi-axis control in complex automation systems. With a rated current of 200 A, the DKR02.1-W200Z delivers robust power handling capabilities, suitable for demanding industrial applications. Its modular design allows for easy integration of additional plug-in modules, such as PLC link and analog signal interfaces, to extend functionality as needed. The unit operates within ambient temperatures from 5°C to 45°C and can be installed at elevations up to 1000 meters without performance derating, making it versatile for various industrial environments. The DKR02.1-W200Z is housed in an IP20-rated enclosure, ensuring protection against dust and debris, and is designed for installation within an IP54-rated cabinet with dust filtration for enhanced protection. This drive controller is an ideal solution for applications requiring precise motion control, high power handling, and reliable performance in demanding industrial settings.