

MKD025B-144-KG0-KN

Industrial automation components

Manufacturer	Indramat
Catalog number	mkd025b-144-kg0-kn
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	2.30 kgs
Current	5.1 A
Speed (RPM)	5000 RPM
Relay Specifications	4 VAC
Voltage	94.7 - 98.4 V
Component Specifications	mkd025b
Torque	0.9 Nm
Product Type	Motor
Signal Type	4
Signal Level	4 V

Description

The Indramat MKD025B-144-KG0-KN is a high-performance synchronous servo motor from the MKD series, engineered for precision control in industrial automation applications. Designed with a compact 025 motor size, it features a 54 mm flange and a 40 mm centering diameter, facilitating seamless integration into various systems. The motor employs a plain shaft with an integrated shaft seal, ensuring durability and protection against contaminants. Equipped with resolver feedback and an integrated encoder, it offers absolute position detection over more than 4,096 revolutions, delivering exceptional accuracy and repeatability. Operating at a rated voltage of 94.7 V and a rated current of 5.1 A, the MKD025B-144-KG0-KN achieves a continuous torque at standstill of 0.9 Nm and a maximum speed of 9,000 RPM, making it suitable for applications requiring high dynamic performance and precise speed and position control. The motor's design includes a connection box interface for streamlined wiring and a standard housing type, ensuring ease of installation and maintenance. Its robust construction and advanced features make it ideal for integration into robotics, packaging, and semiconductor tooling systems, where reliability and precision are paramount.