

MKD025B-144-KG1-KN

Industrial automation components

Manufacturer	Indramat
Catalog number	mkd025b-144-kg1-kn
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	2.29 kgs
Component Specifications	mkd025b
Product Type	Motor
Continuous Torque at Standstill	0.9 Nm
Maximum Speed	9000 RPM
Flange Size	54 mm
Centering Diameter	40 mm
Holding Brake Torque	1 Nm
Protection Rating	IP65

Description

The Indramat MKD025B-144-KG1-KN is a high-precision synchronous servo motor from the MKD series, designed for demanding industrial automation applications. This motor features a plain shaft design with a shaft sealing ring, ensuring durability and protection against environmental factors. It includes a holding brake with a torque of 1 Nm, providing secure positioning during operation. The motor operates with resolver feedback and an integrated encoder, offering absolute position detection beyond 4096 revolutions, which enhances system reliability and performance. With a continuous standstill torque of 0.9 Nm and a maximum speed of 9000 RPM, it delivers consistent and precise motion control. The motor's flange size is 54 mm, and it has a centering diameter of 40 mm, facilitating easy integration into various systems. Encased in a standard housing with a prime black coating, it offers both aesthetic appeal and protection. The motor weighs 2.3 kg, making it suitable for applications where space and weight considerations are critical. Its IP65 protection rating ensures resistance to dust and water ingress, making it ideal for use in harsh environments. The MKD025B-144-KG1-KN is well-suited for applications in machine tools, packaging, and other automation systems requiring high precision and reliability.