

MKD025B-144-GG1-KN

Industrial automation components

Manufacturer	Indramat
Catalog number	mkd025b-144-gg1-kn
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	2.47 kgs
Component Specifications	mkd025b
Torque	0.8 Nm
Product Type	Motor
Signal Level	18.5 V
Voltage	18.5 V
Current	4.5 A

Description

The Indramat MKD025B-144-GG1-KN is a high-performance synchronous servo motor from the MKD series, engineered for precision motion control in industrial automation applications. Designed with a 54 mm flange and a 40 mm centering diameter, this motor ensures seamless integration into compact assemblies. It features a plain shaft with an integrated sealing ring, providing robust protection against contaminants and enhancing durability. The motor is equipped with a holding brake delivering 1 Nm of torque, securing static loads when power is removed and maintaining positional integrity during maintenance or shutdowns. Utilizing resolver feedback (RSF) for relative position detection, it offers reliable and repeatable control. With a continuous torque at standstill of 0.9 Nm and a maximum speed of 9000 rpm, the MKD025B-144-GG1-KN delivers dynamic performance suitable for demanding applications. The motor operates within an ambient temperature range of 0°C to 40°C and is housed in an IP65-rated enclosure, ensuring reliable operation in dusty or mildly wet environments without the need for forced ventilation. Its versatile design, including a turnable connection box on side B, allows flexible installation to suit various cabinet layouts. This motor is ideal for integration with Bosch Rexroth drive controllers, forming part of proven Ecodrive or DiAx04 solutions for precision motion control.