

MKD090B-047-KP1-KN

Industrial automation components

Manufacturer	Indramat
Catalog number	mkd090b-047-kp1-kn
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	14.82 kgs
Component Specifications	mkd090b
Material Grade	DIN 6885
Product Type	Motor
Standards	din_6885

Description

The Indramat MKD090B-047-KP1-KN is a high-performance synchronous servo motor from the MKD series, engineered for precise motion control in industrial automation applications. Designed with a frame size of 090 and a motor length code B, this motor delivers a continuous torque of 12.0 Nm at standstill, ensuring reliable performance in demanding environments. It operates efficiently on a three-phase supply voltage of 283–380 VAC, with a rated current of 13.2 A, making it suitable for various industrial settings. The motor features a shaft with a keyway per DIN 6885-1 and includes a shaft seal to prevent contamination, enhancing its durability and reliability. Equipped with resolver feedback and an integrated multi-turn absolute encoder, it provides precise position detection over more than 4096 revolutions, ensuring accurate and consistent operation. The motor's flange size is 140 mm, and it has a centering diameter of 110 mm, facilitating easy integration into existing systems. With a built-in fan for cooling and an IP65 protection rating, the MKD090B-047-KP1-KN is designed to withstand harsh industrial conditions, offering both performance and longevity. This servo motor is ideal for applications requiring precise motion control, such as robotics, CNC machinery, and automated production lines.