Bosch Rexroth

DATA SHEET

MKD071B-061-KP0-KN

Industrial automation components

Manufacturer	Bosch Rexroth
Catalog number	mkd071b-061-kp0-kn
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Frame Size	071
Winding Code	061
Feedback Type	Resolver with integrated multiturn absolute encoder
Shaft Design	Key per DIN 6885-1 with shaft sealing ring
Holding Brake	None
Housing Design	Standard
Power Connection Orientation	Side B
Continuous Torque at Standstill	8.0 Nm
Peak Current	50.4 A
Nominal Voltage	400V
Cooling Type	Natural Convection
Flange Size	115 mm

Description

The Bosch Rexroth Indramat MKD071B-061-KP0-KN is a high-performance 3-phase permanent magnet synchronous servo motor from the MKD series, designed for precision motion control in industrial automation applications. This motor features a frame size of 071, length B, and a winding code of 061, indicating its specific electrical characteristics. It incorporates resolver feedback with an integrated multiturn absolute encoder, providing precise position detection over more than 4,096 revolutions. The motor's shaft is equipped with a key per DIN 6885-1 and includes a shaft sealing ring, ensuring secure and reliable operation. Notably, this model does not include a holding brake, which may be advantageous in applications where braking is not required. The motor's standard housing design and side B power connection orientation facilitate straightforward integration into various systems. With a continuous torque at standstill of 8.0 Nm and a peak current capability of 50.4 A, the MKD071B-061-KP0-KN delivers robust performance suitable for demanding tasks such as robotics, CNC machinery, and packaging systems. Its nominal voltage is 400V, and it operates with natural convection cooling, making it suitable for environments where efficient heat dissipation is essential. The motor's flange size is 115 mm, and the centering diameter is 95 mm, aligning with standard mounting specifications for ease of installation.