

## MKD071B-061-KG0-KN

Industrial automation components

<b>Manufacturer</b>	Bosch Rexroth
<b>Catalog number</b>	mkd071b-061-kg0-kn
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	3.99 kgs
<b>Current</b>	1.7 - 7.7 A
<b>Product Type</b>	Motor
<b>Voltage</b>	283 - 380 V
<b>Component Specifications</b>	mkd071b
<b>Speed (RPM)</b>	6000 R/MIN
<b>Measurement Range</b>	283 - 380
<b>Signal Level</b>	380 V

### Description

The Bosch Rexroth MKD071B-061-KG0-KN is a high-performance synchronous AC servo motor from the MKD series, engineered for precision and reliability in industrial automation applications. Designed to deliver consistent torque and speed, it is ideal for tasks requiring high dynamics and accuracy, such as material handling, packaging machinery, and robotics. This motor features a brushless design with a permanent-magnet rotor, ensuring low inertia for rapid acceleration and deceleration. It operates with a resolver feedback system, providing absolute position detection over more than 4096 revolutions, which enhances its suitability for applications where precise positioning is critical. The motor's construction includes a plain shaft with an integrated shaft seal, and it is housed in an IP65-rated enclosure, offering protection against dust and water ingress. With a continuous standstill torque of 8.0 Nm and a maximum speed of 6000 min<sup>-1</sup>, the MKD071B-061-KG0-KN ensures reliable performance under demanding conditions. Its compact design, with a flange size of 115 mm and a centering diameter of 95 mm, facilitates easy integration into various systems. The motor operates efficiently within an ambient temperature range of 0 to 40 degrees Celsius and at altitudes up to 1000 meters, making it versatile for diverse industrial environments. Whether upgrading existing equipment or designing new automation solutions, the MKD071B-061-KG0-KN offers the precision and durability required for modern industrial applications.