1FK7063-5AF71-1FH2

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7063-5af71-1fh2
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous
Rated Torque	11 Nm
Rated Speed	3000 rpm
Moc znamionowa	2.29 kW
Encoder Type	Absolute Encoder

Description

The Siemens 1FK7063-5AF71-1FH2 is a compact synchronous servo motor from the SIMOTICS S 1FK7 series, designed for precise motion control in industrial automation applications. This motor delivers a rated torque of 11 Nm at 3000 rpm, with a rated power output of 2.29 kW, making it suitable for tasks requiring high torque and speed stability.

It operates with natural air cooling, eliminating the need for additional cooling systems. The motor features an absolute encoder with 2048 pulses per revolution, providing precise position feedback and reducing performance degradation by approximately 10% due to the encoder's characteristics.

Its construction includes a plain shaft with tolerance N and a holding brake, ensuring secure operation during stationary periods. The motor's degree of protection is IP65, with the drive end flange rated at IP67, offering robust resistance against dust and water ingress.

The power and signal connectors are rotatable by 270°, facilitating flexible installation in various setups. This motor is ideal for applications in robotics, CNC machinery, and other systems requiring precise and reliable motion control.

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