1FK7063-5AF71-1EG3

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7063-5af71-1eg3
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
Optimal Power	2.29 kW
Cooling Type	Natural Air Cooling
Mounting Flange	IM B5 (IM V1, IM V3)
Connector Rotatability	270 degrees
Encoder Type	Absolute Encoder (EnDat 2048 P/R)
Shaft Design	Plain Shaft with Tolerance N
Holding Brake	None
Degree of Protection	IP64

Description

The Siemens 1FK7063-5AF71-1EG3 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 a speed of 3000 rpm, providing optimal power output of 2.29 kW.

It features natural air cooling and is constructed with an IM B5 (IM V1, IM V3) mounting flange, ensuring versatile installation options. The power and signal connectors are rotatable by 270 degrees, facilitating flexible wiring configurations.

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Equipped with an absolute encoder (EnDat 2048 P/R), the motor offers high-resolution position feedback, enhancing control accuracy. The plain shaft design with tolerance N and the absence of a holding brake contribute to its streamlined performance.

With a degree of protection rated at IP64, the motor is suitable for various industrial environments. This model is part of Siemens' SIMOTICS S 1FK7 series, known for their reliability and efficiency in demanding applications.

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