1FK7063-5AF71-1AB2

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7063-5af71-1ab2
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous
Rated Speed	3000 rpm
Rated Torque	7.3 Nm
Optimal Power	2.3 kW
Cooling Type	Natural Air Cooling

Description

The Siemens 1FK7063-5AF71-1AB2 is a compact synchronous servo motor from the SIMOTICS S series, designed for precise motion control applications. This motor features a rated torque of 7.3 Nm at 3000 rpm, delivering an optimal power output of 2.3 kW.

It operates with natural air cooling and is housed in an IM B5 (IM V1, IM V3) frame, suitable for various industrial environments. The motor is equipped with a power/signal connector that can be rotated by 270°, facilitating flexible installation.

It utilizes an incremental encoder with a SIN/COS 1 Vpp signal and 2048 pulses per revolution, ensuring accurate position feedback. The shaft is plain with a tolerance of N, and the motor is designed without a holding brake.

It offers a degree of protection of IP64, providing adequate resistance against dust and water ingress. This motor is ideal for applications requiring high precision and reliability in motion control systems.

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