1FK7032-5AF21-1HG0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7032-5af21-1hg0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous Servo Motor
DC Link Voltage	300V
Continuous Torque	1.1 Nm
Maximum Speed	3000 rpm
Power Output	0.31 kW
Mounting Type	IM B5 (IM V1, IM V3)
Connector Rotation	270°
Encoder Type	Absolute Encoder (A-512)
Shaft Type	Plain Shaft with Tolerance N
Holding Brake	Without Holding Brake
Degree of Protection	IP64

Description

The Siemens 1FK7032-5AF21-1HG0 is a synchronous servo motor from the SIMOTICS S 1FK7 Compact series, designed for precise motion control applications. Operating at a DC link voltage of 300V, it delivers a continuous torque of 1.1 Nm and reaches a maximum speed of 3000 rpm, providing a power output of 0.31 kW.

This motor features natural cooling and is constructed with an IM B5 (IM V1, IM V3) mounting type, ensuring versatility in installation. The power and signal connectors are rotatable by 270°, facilitating flexible wiring configurations.

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Equipped with an absolute encoder (A-512) with 512 pulses per revolution, it offers precise position feedback without the DRIVE-CLiQ interface. The shaft is plain with a tolerance of N, and the motor is designed without a holding brake.

It has a degree of protection rated at IP64, ensuring durability in various industrial environments. This motor is ideal for applications requiring high precision and reliability in motion control systems.

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