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1FK7022-5AK71-1PA3-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7022-5ak71-1pa3-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous Servo Motor
Continuous Torque	0.85 Nm
Rated Speed	6000 rpm
Power Output	0.38 kW
Frame Size	IM B5 (IM V1, IM V3)
Encoder Type	20-bit Absolute Encoder with 12-bit Multi-Turn
Interface	DRIVE-CLiQ
Shaft Type	Plain Shaft with Tolerance N
Holding Brake	Without Holding Brake
Degree of Protection	IP64
Paint Finish	RAL7016

Description

The Siemens 1FK7022-5AK71-1PA3-Z is a compact synchronous servo motor from the SIMOTICS S 1FK7 series, designed for precise motion control applications. This motor delivers a continuous torque of 0.85 Nm and operates at a rated speed of 6000 rpm, providing a power output of 0.38 kW.

It features natural cooling and is housed in an IM B5 (IM V1, IM V3) frame size, ensuring robust performance in various industrial environments. The motor is equipped with a 20-bit absolute encoder with a 12-bit multi-turn function and a DRIVE-CLiQ interface, facilitating seamless integration with Siemens drive systems.

Its plain shaft with tolerance N and absence of a holding brake contribute to its compact design. With a degree of protection IP64 and a paint finish in RAL7016, the motor is built to withstand challenging conditions.

This model is particularly suitable for applications requiring high precision and reliability in motion control.

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