1FK7042-5AF71-1SU5-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7042-5af71-1su5-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Continuous Torque	3.0 Nm
Rated Speed	3000 rpm
Power Output	0.82 kW
Cooling Type	Natural
Flange Type	IM B5
Encoder System	Incremental Encoder, sin/cos 1 Vpp
Degree of Protection	IP65/IP67

Description

The Siemens 1FK7042-5AF71-1SU5-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 3.0 Nm and operates at a rated speed of 3000 rpm, providing a power output of 0.82 kW.

It features natural cooling and is constructed with an IM B5 flange, suitable for various mounting configurations. The motor is equipped with a power/signal connector plug that is rotatable by 270°, facilitating flexible installation.

An incremental encoder system with a sin/cos 1 Vpp signal is included, ensuring accurate position feedback. The motor is rated with a degree of protection IP65, with IP67 for the drive end flange, offering robust protection against dust and water ingress.

This motor is ideal for applications requiring high precision and reliability in compact spaces.

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