1FK7060-5AF71-1KH0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7060-5af71-1kh0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Rated Speed	3000 rpm
Rated Torque	4.7 Nm
Static Torque	6.0 Nm
Optimal Power	1.5 kW
Rated Current	3.7 A

Description

The Siemens 1FK7060-5AF71-1KH0 is a compact synchronous servo motor from the SIMOTICS S series, designed for precise motion control applications. Operating at a rated speed of 3,000 rpm, it delivers a rated torque of 4.7 Nm and a static torque of 6.0 Nm (100 K).

The motor's optimal power output is 1.5 kW, with a rated current of 3.7 A. It features natural air cooling and is housed in an IM B5 (IM V1, IM V3) construction. The power and signal connectors can be rotated by 270°, offering installation flexibility.

Equipped with a basic absolute encoder (EnDat 32 pulses/revolution) with a DRIVE-CLiQ interface, it ensures precise position feedback. The motor has a smooth shaft with radial eccentricity N and includes a holding brake.

With a degree of protection IP64, it is suitable for various industrial environments. This motor is ideal for applications requiring high precision and reliability in motion control systems.

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