1FK7060-2AH71-1CG0-HPG-32A-05-BL3-FO-E241

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7060-2ah71-1cg0-hpg-32a-05-bl3-fo-e241
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FK7060-2AH71-1CG0 + HPG-32A-05-BL3-FO-E24.1
Product Type	Synchronous Servo Motor with Gearbox
Rated Power	1.7 kW
Rated Speed	4500 rpm
Rated Torque	3.7 Nm
Encoder Resolution	24-bit absolute + 12-bit multi-turn
Interface	DRIVE-CLiQ
Cooling Type	Naturally Cooled
Protection Rating	IP64
Gearbox Ratio	5:1

Description

The Siemens 1FK7060-2AH71-1CG0 is a high-performance synchronous servo motor from the SIMOTICS S-1FK7 series, designed for precision motion control applications. This motor delivers a rated power of 1.7 kW and operates at a rated speed of 4,500 rpm, providing a rated torque of 3.7 Nm under a 100 K temperature rise.

It features a 24-bit absolute encoder with a 12-bit multi-turn function and a DRIVE-CLiQ interface, ensuring precise position feedback. The motor is naturally cooled with an IP64 protection rating,

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making it suitable for various industrial environments.

The HPG-32A-05-BL3-FO-E24.1 gearbox complements the motor, offering a 5:1 gear ratio for enhanced torque output. Together, this combination is ideal for applications requiring high torque and precise speed control, such as robotics, CNC machinery, and automated assembly lines.

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