1FK7032-5AK71-1SG0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7032-5ak71-1sg0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FK7032-5AK71-1SG0
Product Type	Synchronous Servomotor
Rated Torque	0.8 Nm
Rated Speed	6000 rpm
Moc znamionowa	0.5 kW
Cooling Type	Natural Cooling
Mounting Standard	IM B5 (IM V1, IM V3)
Encoder Type	Basic Absolute Encoder (16 S/R) with DRIVE-CLiQ Interface
Shaft Design	Plain Shaft with Fitted Key and Keyway
Stopień ochrony	IP64

Description

The Siemens 1FK7032-5AK71-1SG0 is a compact synchronous servomotor from the SIMOTICS S series, designed for precise motion control in industrial automation applications. With a rated torque of 0.8 Nm and a rated speed of 6,000 rpm, it delivers reliable performance for various automation tasks.

The motor operates at a rated power of 0.5 kW and features natural cooling, making it suitable for environments where space and cooling efficiency are critical. Its construction adheres to the IM B5 (IM V1, IM V3) standard, ensuring compatibility with a wide range of mounting configurations.

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The motor is equipped with a basic absolute encoder (16 S/R) with a DRIVE-CLiQ interface, providing precise position feedback. The shaft is designed with a fitted key and keyway, facilitating secure coupling with driven machinery.

Additionally, the motor has a degree of protection IP64, offering resistance against dust and water ingress, which is essential for maintaining performance in industrial settings. This servomotor is ideal for applications requiring high precision and reliability, such as robotics, CNC machinery, and automated assembly lines.