1FK6043-7AK71-1EA0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk6043-7ak71-1ea0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Rated Speed	4500 RPM
Rated Torque	3.1 Nm
Encoder System	EnDat 2048 pulses/rev
Cooling Type	Natural
Frame Type	IM B5 (V1, V3)
Degree of Protection	IP64

Description

The Siemens 1FK6043-7AK71-1EA0 is a high-performance synchronous servomotor from the 1FK6 series, designed for dynamic applications requiring precise control and reliability. Operating at a rated speed of 4,500 RPM, it delivers a rated torque of 3.1 Nm, making it suitable for tasks demanding high torque at moderate speeds.

The motor features an absolute encoder system with EnDat 2048 pulses per revolution, ensuring accurate position feedback and seamless integration with Siemens drive systems. Its natural cooling design eliminates the need for external cooling systems, simplifying installation and maintenance.

The motor is housed in an IM B5 (V1, V3) frame, compatible with standard mounting configurations, and offers a degree of protection IP64, providing resistance against dust and water ingress. This servomotor is ideal for applications in robotics, CNC machinery, and other automation systems where precision and reliability are paramount.

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