1FK7034-2AK71-1UG0-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7034-2ak71-1ug0-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Rated Torque	1.6 Nm
Rated Speed	6000 rpm
DC Link Voltage	600 V
Cooling Type	Natural cooling
Encoder System	Multi-pole resolver with DRIVE-CLiQ interface
Shaft Design	Smooth shaft with tolerance N
Holding Brake	Without holding brake
Protection Class	IP64

Description

The Siemens 1FK7034-2AK71-1UG0-Z is a compact, high-performance synchronous servomotor from the SIMOTICS S-1FK7 series, designed for precise motion control applications. This motor features a rated torque of 1.6 Nm at 6,000 rpm, making it suitable for tasks requiring high torque and speed.

It operates with a DC link voltage of 600 V and utilizes natural cooling (IM B5 design), ensuring efficient thermal management. The motor is equipped with a multi-pole resolver encoder system with a DRIVE-CLiQ interface, providing accurate position feedback for precise control.

Its smooth shaft design with tolerance N and absence of a holding brake make it ideal for applications where space constraints are critical. With a degree of protection IP64, the motor is suitable for use in environments where dust and water ingress are minimal.

This motor is ideal for applications requiring high precision and reliability in motion control systems.

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