1FK7042-2AK71-1UG0-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7042-2ak71-1ug0-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Rated Speed	6000 rpm
Rated Torque	1.5 Nm
DC Link Voltage	600 V
Construction Standard	IM B5 (IM V1, IM V3) standard
Encoder System	Multi-pole resolver with DRIVE-CLiQ interface system
Shaft End	Smooth with radial eccentricity N type

Description

The Siemens 1FK7042-2AK71-1UG0-Z is a high-performance synchronous servomotor from the SIMOTICS S-1FK7 series, designed for precise motion control in industrial automation applications. This motor features a rated speed of 6,000 rpm and a rated torque of 1.5 Nm, ensuring efficient operation in demanding environments.

It operates with a 600 V DC link voltage and is naturally cooled, adhering to the IM B5 (IM V1, IM V3) construction standard. The motor is equipped with a multi-pole resolver with a DRIVE-CLiQ interface for reliable feedback and control.

Its shaft end is smooth with radial eccentricity N, and it has a degree of protection rated at IP 64, providing durability and protection against dust and water ingress. This servomotor is ideal for applications requiring high precision and reliability, such as robotics, CNC machinery, and automated production lines.

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