1FK7032-5AK71-1LG0-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7032-5ak71-1lg0-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous
Servomotor Type	Three-phase servomotor
Continuous Torque	1.1 Nm
Rated Speed	6000 rpm
Power Output	0.50 kW
Encoder System	15-bit absolute encoder with DRIVE-CLiQ interface
Mounting Type	IM B5 (IM V1, IM V3)
Shaft End	Smooth shaft, tolerance N
Degree of Protection	IP64

Description

The Siemens 1FK7032-5AK71-1LG0-Z is a compact synchronous servomotor from the SIMOTICS S series, designed for precise motion control applications. This three-phase servomotor delivers a continuous torque of 1.1 Nm and operates at a rated speed of 6000 rpm, providing a power output of 0.50 kW.

It features natural cooling and is constructed with an IM B5 (IM V1, IM V3) mounting type, ensuring versatility in installation. The motor is equipped with a 15-bit absolute encoder with a DRIVE-CLiQ interface, offering high-resolution feedback for accurate position control.

The shaft end is smooth with a tolerance of N, and the motor is rated with a degree of protection IP64, ensuring durability in various industrial environments. This servomotor is ideal for applications requiring high precision and reliability, such as robotics, CNC machinery, and automated production lines.

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