1FK7022-5AK71-1UG5-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7022-5ak71-1ug5-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Rated Torque	0.85 Nm
Rated Speed	6000 rpm
Output Power	0.38 kW
DC Link Voltage	600 V
Cooling Type	Naturally cooled
Resolver Type	Multi-pole resolver (P=3) with DRIVE-CLiQ interface
Shaft Type	Plain shaft with tolerance N
Holding Brake	Without holding brake
Degree of Protection	IP65 as flange, IP67
Paint Finish	RAL7016

Description

The Siemens 1FK7022-5AK71-1UG5-Z is a compact synchronous servomotor from the SIMOTICS S 1FK7 series, designed for precise motion control applications. This motor delivers a rated torque of 0.85 Nm at a rated speed of 6,000 rpm, providing a continuous output power of 0.38 kW.

It operates at a DC link voltage of 600 V and features a naturally cooled design. The motor is equipped with a multi-pole resolver (P=3) with a DRIVE-CLiQ interface, ensuring reliable communication with Siemens drive systems.

Its plain shaft with tolerance N and absence of a holding brake make it suitable for various industrial applications. The motor's degree of protection is IP65 as flange and IP67, offering robust

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protection against dust and water ingress.

The paint finish is RAL7016, providing durability and aesthetic appeal. This servomotor is ideal for applications requiring high precision and reliability in motion control systems.

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