AUTOMATION TRADER

1FK7042-5AK71-1SG3-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7042-5ak71-1sg3-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous
Servomotor Type	Three-phase servomotor
Rated Torque	3.0 Nm
Rated Speed	6000 rpm
Continuous Output Power	1.02 kW
Encoder System	Resolver
Holding Brake	Yes
Cooling	Naturally cooled
Degree of Protection	IP64

Description

The Siemens 1FK7042-5AK71-1SG3-Z is a compact synchronous servomotor from the 1FK7 series, designed for precise motion control applications. This three-phase servomotor features a rated torque of 3.0 Nm and operates at a rated speed of 6,000 rpm, delivering a continuous output power of approximately 1.02 kW.

It utilizes a resolver encoder system for feedback and includes a holding brake for enhanced safety during operation. The motor is naturally cooled and has a degree of protection rated at IP64, ensuring durability in various industrial environments.

Its compact design and robust construction make it suitable for integration into a wide range of automation systems, offering reliable performance for demanding applications.