1FK7034-5AK71-1TH0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7034-5ak71-1th0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous
Servomotor Type	Three-phase servomotor
Series	7
Size	03
Length	4
Cooling Type	Natural cooling
Rated Speed	6000 RPM
Output Power	0.63 kW
Rated Torque	1.6 Nm
Encoder System	Resolver 2-pole
Shaft Design	Plain shaft, tolerance N
Degree of Protection	IP65

Description

The Siemens 1FK7034-5AK71-1TH0 is a compact, high-performance synchronous servo motor from the SIMOTICS S-1FK7 series, designed for precise motion control in industrial automation applications. This three-phase servomotor operates at a rated speed of 6000 RPM, delivering a continuous output power of 0.63 kW and a rated torque of 1.6 Nm.

It features natural cooling (Type CT), ensuring efficient thermal management without the need for additional cooling systems. The motor is equipped with a resolver 2-pole encoder system, providing

Automation Trader
960 Capability Green
Luton, Bedfordshire LU1 3PE
VAT ID: PL6463009354
REGON: 527345886
DUNS: 427734105
BDO: 000726360

Phone
+44 7418 359 399

Email
info@automationtrader.com

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reliable position feedback without the DRIVE-CLiQ interface.

Its plain shaft design with tolerance N allows for easy integration into various mechanical systems. The motor's degree of protection is IP65, offering robust resistance against dust and water ingress, making it suitable for demanding industrial environments.

This model is ideal for applications requiring high dynamics and precision, such as robotics, CNC machinery, and automated assembly lines.