AUTOMATION TRADER

1FK7044-4CF71-1BG1-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7044-4cf71-1bg1-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FK7044-4CF71-1BG1-Z
Product Type	Synchronous Servo Motor
Rated Power	1.2 kW
Rated Speed	3000 rpm
Rated Torque	3.7 Nm
Encoder Type	24-bit Single-turn Absolute Encoder with DRIVE-CLIQ Interface (Encoder AS24DQI)
Cooling Type	Naturally Cooled
Degree of Protection	IP64
Shaft Type	Plain Shaft with Tolerance N

Description

The Siemens 1FK7044-4CF71-1BG1-Z is a high-performance synchronous servo motor from the SIMOTICS S-1FK7 series, designed for precision motion control applications. This motor features a rated power of 1.2 kW, operating at a rated speed of 3,000 rpm, delivering a rated torque of 3.7 Nm.

It utilizes a 24-bit single-turn absolute encoder with DRIVE-CLIQ interface (Encoder AS24DQI) for precise position feedback. The motor is naturally cooled and has a degree of protection IP64, ensuring reliable operation in various industrial environments.

Its compact design with a plain shaft and tolerance N makes it suitable for integration into diverse machinery. This model is ideal for applications requiring high dynamic performance and precise control, such as robotics, CNC machines, and automated assembly lines.

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