AUTOMATION TRADER

1FK7032-2AK71-1CG1-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7032-2ak71-1cg1-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FK7032-2AK71-1CG1-Z
Product Type	Synchronous Motor
Rated Power	0.5 kW
Rated Speed	6000 rpm
Rated Torque	0.8 Nm
Cooling Type	Naturally Cooled
Design	IMB 5
Mounting Configuration	IM V1, IM V3
Power Connector	Rotatable Flange 1
Encoder Resolution	24-bit + 12-bit Multi-Turn
Interface	DRIVE-CLiQ

Description

The Siemens SIMOTICS S 1FK7032-2AK71-1CG1-Z is a high-performance synchronous motor designed for precision applications in industrial automation. This motor features a rated power of 0.5 kW and operates at a rated speed of 6,000 rpm, delivering a rated torque of 0.8 Nm.

It is naturally cooled and constructed with an IMB 5 design, suitable for various mounting configurations (IM V1, IM V3). The motor is equipped with a rotatable flange 1 power connector and an absolute encoder with a 24-bit resolution and a 12-bit multi-turn capability, utilizing the

DRIVE-CLiQ interface for seamless integration.

The smooth shaft design ensures compatibility with standard couplings, and the motor is protected to IP65 standards, making it suitable for demanding environments. This model is ideal for applications requiring precise speed and torque control, such as robotics, CNC machinery, and automated assembly lines.