1FK7032-5AK71-1AG3-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7032-5ak71-1ag3-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous
Rated Torque	1.1 Nm
Maximum Speed	6000 rpm
Rated Power	0.50 kW
Cooling Type	Natural
Flange Type	IM B5 (IM V1, IM V3)
Connector Rotation	270 degrees
Encoder Type	2-pole resolver (P=1) with DRIVE-CLiQ interface
Shaft Type	Plain shaft with tolerance N
Holding Brake	Without holding brake
Degree of Protection	IP64
Paint Finish	RAL7016

Description

The Siemens 1FK7032-5AK71-1AG3-Z is a compact synchronous servo motor from the SIMOTICS S series, designed for precise motion control applications. With a rated torque of 1.1 Nm and a maximum speed of 6000 rpm, it delivers reliable performance for various industrial automation tasks.

The motor operates at a rated power of 0.50 kW and features natural cooling, eliminating the need for additional cooling systems. It is equipped with an IM B5 flange (IM V1, IM V3) for versatile mounting options.

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The power and signal connectors are rotatable by 270°, facilitating flexible installation. The motor utilizes a 2-pole resolver (P=1) with a DRIVE-CLiQ interface for accurate position feedback. Its plain shaft with tolerance N ensures compatibility with standard couplings.

The motor is designed without a holding brake and has a degree of protection IP64, providing resistance against dust and water ingress. The paint finish is RAL7016, offering enhanced durability and aesthetic appeal.