1FK7022-5AK71-1LH0-LPK-050-M02-10-011-11958200057506

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7022-5ak71-1lh0-lpk-050-m02-10-011-11958200057506
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FK7022-5AK71-1LH0
Continuous Torque	0.85 Nm
Maximum Speed	6000 rpm
Rated Power	0.38 kW
Encoder Resolution	20 bits per revolution, 12 bits multi-turn
Interface	Drive-CLiQ
Holding Brake	Included
Protection Class	IP64
Connector Rotation	270 degrees

Description

The Siemens 1FK7022-5AK71-1LH0 is a compact synchronous servomotor from the SIMOTICS S series, designed for precise motion control in industrial automation applications. This model offers a continuous torque of 0.85 Nm and a maximum speed of 6,000 rpm, delivering a rated power of 0.38 kW.

It features natural cooling and a plain shaft with a tolerance of N. The motor is equipped with an absolute encoder providing 20 bits per revolution and 12 bits for multi-turns, along with a Drive-CLiQ interface, ensuring high-resolution feedback for accurate positioning.

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A holding brake is included to maintain position when stationary. The motor's degree of protection is IP64, offering resistance against dust and water ingress. The connectors for power and signal can be rotated by 270 degrees, providing flexible installation options.

This motor is suitable for applications requiring precise speed and position control, such as robotics, CNC machinery, and automated assembly lines.

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