1FK7022-5AK71-1LB2

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7022-5ak71-1lb2
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous
Rated Speed	6,000 rpm
Rated Torque	0.85 Nm
Moc znamionowa	0.38 kW
Encoder Type	20-bit absolute + 12-bit multi-turn
Connectors Rotatable	270 degrees
Degree of Protection	IP65 (motor), IP67 (flange)
Shaft Type	Fitted key with tolerance N
Holding Brake	Yes

Description

The Siemens 1FK7022-5AK71-1LB2 is a compact synchronous servomotor from the SIMOTICS S series, designed for precise motion control in industrial automation applications. Operating at a rated speed of 6,000 rpm and delivering a rated torque of 0.85 Nm, it provides a continuous output power of 0.38 kW.

This motor features natural cooling and is equipped with a 20-bit absolute encoder combined with a 12-bit multi-turn encoder, offering high-resolution feedback for accurate position sensing. The power and signal connectors are rotatable by 270°, facilitating flexible installation.

With a degree of protection IP65 and an IP67 flange on the drive end, the motor is suitable for demanding environments. The shaft includes a fitted key with tolerance N, and the motor is equipped with a holding brake, enhancing its suitability for applications requiring precise stopping and

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holding capabilities.

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