1FK7103-5AF71-1AH2

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7103-5af71-1ah2
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous
Rated Torque	36 Nm
Maximum Speed	3000 rpm
Continuous Output Power	4.4 kW
Cooling Type	Natural
Frame Type	IM B5 (IM V1, IM V3)
Encoder System	Incremental encoder (sin/cos 1 Vpp, 2048 pulses per revolution) without DRIVE-CLiQ interface
Holding Brake	Included
Degree of Protection	IP65 for motor housing, IP67 for drive end flange

Description

The Siemens 1FK7103-5AF71-1AH2 is a compact synchronous servomotor from the SIMOTICS S-1FK7 series, designed for precise motion control applications. This motor features a rated torque of 36 Nm, a maximum speed of 3000 rpm, and a continuous output power of 4.4 kW.

It operates with natural cooling and is housed in an IM B5 (IM V1, IM V3) frame, suitable for various mounting configurations. The motor is equipped with an incremental encoder system (sin/cos 1 Vpp, 2048 pulses per revolution) without the DRIVE-CLiQ interface, ensuring accurate position feedback.

A holding brake is included to maintain rotor position when stationary. The degree of protection is IP65 for the motor housing and IP67 for the drive end flange, providing robust protection against dust and water ingress.

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This servomotor is ideal for applications requiring high precision and reliability, such as CNC machinery and industrial automation systems.

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