1FK7083-5AH71-1FH0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7083-5ah71-1fh0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous
Rated Torque	16 Nm
Maximum Speed	4500 RPM
Continuous Power	3.04 kW
Encoder Type	Absolute Encoder (2048 pulses/rev) with DRIVE-CLiQ interface

Description

The Siemens 1FK7083-5AH71-1FH0 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precise motion control in industrial automation applications. This compact motor delivers a rated torque of 16 Nm and operates at a maximum speed of 4,500 RPM, providing a continuous output power of 3.04 kW.

It features natural air cooling, eliminating the need for additional cooling systems. The motor is equipped with an absolute encoder (2048 pulses per revolution) with a DRIVE-CLiQ interface, ensuring accurate position feedback and seamless integration with Siemens drive systems.

Its IM B5 (IM V1, IM V3) construction type allows for versatile mounting options, and the power and signal connectors can be rotated by 270 degrees to facilitate flexible installation. With a degree of protection rated at IP64, the motor is suitable for demanding industrial environments where dust and water ingress are concerns.

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