1FK7083-5AF71-1FA0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7083-5af71-1fa0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous
Rated Torque	16 Nm
Rated Current	10.4 A
Rated Speed	3000 rpm
Optimal Power	3.3 kW

Description

The Siemens 1FK7083-5AF71-1FA0 is a high-performance synchronous servo motor from the SIMOTICS S series, designed for precise motion control in industrial automation applications. This model features a rated torque of 16 Nm, a rated current of 10.4 A, and operates at a rated speed of 3000 rpm, delivering optimal power of 3.3 kW.

It utilizes an absolute encoder system with 2048 pulses per revolution, ensuring accurate position feedback. The motor is naturally cooled and has a degree of protection rated at IP64, making it suitable for various industrial environments.

Its compact design and robust construction make it ideal for applications requiring high torque and precision, such as robotics, CNC machinery, and automated assembly lines.

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