AUTOMATION TRADER

1FK6103-8AF71-1EG2

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk6103-8af71-1eg2
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FK6103-8AF71-1EG2
Motor Type	Synchronous Servo Motor
Pole Number	8
Rated Torque	36 Nm
Rated Speed	3000 RPM
Cooling Type	Naturally Cooled
Mounting Type	IM B5 Flange
Connector Type	Rotatable Power and Signal Connector
Encoder Type	Absolute Encoder with EnDat 2048 S/R
Shaft Type	Smooth Shaft with Tolerance N
Holding Brake	Yes

Description

The Siemens 1FK6103-8AF71-1EG2 is a high-performance synchronous servo motor designed for precision motion control applications. Manufactured by Siemens, this motor features an 8-pole design, delivering a rated torque of 36 Nm and operating at a rated speed of 3000 RPM.

It is naturally cooled and constructed with an IM B5 flange mounting, suitable for various industrial settings. The motor is equipped with a power and signal connector that can be rotated by 270 degrees, facilitating flexible installation.

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It utilizes an absolute encoder system with EnDat 2048 S/R (encoder A-2048), ensuring precise position feedback. The shaft is smooth with a tolerance of N and includes a holding brake, enhancing operational safety.

With a degree of protection rated at IP64, the motor is well-suited for environments requiring robust performance and reliability.

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