1FT6062-6AC71-4EG1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6062-6ac71-4eg1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT6062-6AC71-4EG1
Product Type	Synchronous Servo Motor
Rated Torque	6.0 Nm
Rated Speed	2000 rpm
Cooling Method	Natural Cooling
Encoder Type	Absolute Encoder (EnDat 2048 p/r)
Mounting Type	IM B5
Connector Outlet Direction	Axial NDE
Shaft Type	Smooth Shaft
Degree of Protection	IP65

Description

The Siemens 1FT6062-6AC71-4EG1 is a high-performance synchronous servo motor designed for precision motion control applications. Manufactured by Siemens, this model is part of the SIMOTICS S series, known for its reliability and efficiency in industrial automation.

The motor features a rated torque of 6.0 Nm and operates at a rated speed of 2000 rpm, making it suitable for tasks requiring consistent and accurate rotational movement. It is naturally cooled, eliminating the need for external cooling systems and simplifying installation and maintenance.

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The motor is equipped with an absolute encoder (EnDat 2048 p/r), providing precise position feedback essential for closed-loop control systems. Its construction adheres to the IM B5 standard, ensuring compatibility with various mounting configurations.

The axial NDE connector outlet direction facilitates straightforward integration into existing systems. Designed with a smooth shaft and a circular runout tolerance of N, the motor ensures minimal vibration and noise during operation.

Additionally, it includes a holding brake, enhancing safety and control during startup and shutdown sequences. The vibration severity grade is N, indicating low vibration levels during operation. The motor's degree of protection is IP65, offering robust resistance against dust and water ingress, suitable for demanding industrial environments.

This motor is ideal for applications in robotics, CNC machinery, and other automation systems where precision and reliability are paramount.