AUTOMATION TRADER

1FT6061-6AF72-4AG0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6061-6af72-4ag0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous AC Servo Motor
Continuous Torque	4 Nm
Rated Speed	3000 RPM
Current Rating	2.7 A
Encoder Type	Sin/Cos Incremental Encoder
Encoder Signal	1 Vpp
Shaft Type	Plain Shaft
Holding Brake	Yes
Degree of Protection	IP68
Cooling Method	Natural Cooling

Description

The Siemens 1FT6061-6AF72-4AG0 is a high-performance synchronous AC servo motor from the SIMOTICS S series, designed for precision motion control applications. This motor operates on a three-phase system, delivering a continuous torque of 4 Nm and achieving a rated speed of 3000 RPM, making it suitable for demanding automation tasks requiring high torque and speed stability.

It features a 2.7 A current rating, ensuring efficient energy consumption during operation. The motor is equipped with a sin/cos incremental encoder with a 1 Vpp signal, providing precise feedback for accurate position and speed control.

Its robust construction includes a plain shaft with a radial eccentricity tolerance of N and a holding brake, enhancing its reliability and performance in various industrial settings. The motor's degree of protection is IP68, offering superior resistance against dust and water ingress, which is essential for operations in harsh environments.

Additionally, the 1FT6061-6AF72-4AG0 is naturally cooled, eliminating the need for external cooling systems and simplifying maintenance requirements. This motor is ideal for applications in robotics, CNC machinery, and other automation systems where precision and durability are paramount.

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