1FT6062-6AC71-4AG0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6062-6ac71-4ag0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous AC Servo Motor
Continuous Torque	6.0 Nm
Rated Speed	2000 rpm
Mounting Flange	IM B5
Encoder Type	Sin/Cos Incremental Encoder

Description

The Siemens 1FT6062-6AC71-4AG0 is a high-performance synchronous AC servo motor from the SIMOTICS S series, designed for precision motion control applications. This motor delivers a continuous torque of 6.0 Nm and operates at a rated speed of 2000 rpm, making it suitable for tasks requiring consistent and reliable performance.

It features natural cooling and is constructed with an IM B5 mounting flange, ensuring easy integration into various systems. The motor is equipped with a sin/cos incremental encoder with a 1 Vpp signal and a resolution of 2048 S/R, providing accurate position feedback.

Its smooth shaft design with a circular runout tolerance of N and the absence of a holding brake contribute to its efficient operation. The motor's vibration severity grade is N, and it has an IP64 protection rating, offering resistance against dust and water ingress.

These attributes make the Siemens 1FT6062-6AC71-4AG0 motor an excellent choice for applications in robotics, CNC machinery, and other automation systems requiring precise and reliable motion control.

Automation Trader
960 Capability Green
Luton, Bedfordshire LU1 3PE
VAT ID: PL6463009354
REGON: 527345886
DUNS: 427734105
BDO: 000726360

Phone
+44 7418 359 399

Email
info@automationtrader.com

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