1FT6021-6AK71-4AG0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6021-6ak71-4ag0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Current	1.25 A
Torque	0.4
Speed (RPM)	6000
Product Type	Motor
Rated Torque	0.4 Nm
Typ montażu	IM B5 (IM V1, IM V3)
Encoder System	Incremental encoder sin/cos 1 Vpp
Shaft Design	Smooth shaft with circular runout tolerance N
Stopień ochrony	IP64

Description

The Siemens 1FT6021-6AK71-4AG0 is a SIMOTICS S synchronous servomotor from the 1FT6 series, designed for high-performance applications requiring precise motion control. This motor features a rated torque of 0.4 Nm and operates at a rated speed of 6000 rpm, making it suitable for tasks demanding rapid and accurate movements.

It is naturally cooled and constructed with an IM B5 (IM V1, IM V3) mounting type, ensuring reliable operation in various industrial environments. The motor is equipped with an incremental encoder system (sin/cos 1 Vpp) with 2048 S/R, providing precise feedback for motion control.

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

AUTOMATION TRADER

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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These features make the 1FT6021-6AK71-4AG0 motor an excellent choice for applications requiring high precision and durability.

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