1FT6034-4AK71-4AK4

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6034-4ak71-4ak4
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Voltage	600 V AC
Rated Speed	6000 rpm
Continuous Torque	2 Nm
Encoder Type	Incremental 2048 pulses/rev
Protection Class	IP65

Description

The Siemens 1FT6034-4AK71-4AK4 is a high-performance synchronous servomotor from the 1FT6 series, designed for precise motion control in industrial automation applications. This motor operates at a rated speed of 6000 rpm and delivers a continuous torque of 2 Nm, making it suitable for tasks requiring high-speed and high-torque performance.

It features a 600 V AC voltage rating and is naturally cooled, ensuring efficient operation without the need for additional cooling systems. The motor is equipped with an incremental encoder with 2048 pulses per revolution, providing accurate position feedback for precise control.

Its IP65 protection class ensures reliable operation in demanding environments, offering resistance against dust and water ingress. The motor's design includes a smooth shaft with a circular runout tolerance of N, and it does not include a holding brake, reducing mechanical complexity and maintenance requirements.

This servomotor is ideal for applications in robotics, CNC machinery, and automated production lines, where precision and reliability are paramount.

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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