1FT6044-4AF71-3EB1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6044-4af71-3eb1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT6044-4AF71-3EB1
Product Type	Synchronous Servo Motor
Rated Torque	5.0 Nm
Rated Speed	3000 rpm
Mounting Flange	IM B5 (IM V1, IM V3)
Encoder Type	Absolute Encoder (EnDat 2048 S/R)
Shaft End	Feather Key with Circular Runout Tolerance N
Protection Class	IP65

Description

The Siemens 1FT6044-4AF71-3EB1 is a high-performance synchronous servo motor from the SIMOTICS S series, designed for precision motion control applications. This model features a rated torque of 5.0 Nm and operates at a rated speed of 3000 rpm, making it suitable for demanding industrial automation tasks.

The motor is naturally cooled and comes with an IM B5 (IM V1, IM V3) mounting flange, ensuring easy integration into various systems. It is equipped with an absolute encoder (EnDat 2048 S/R), providing precise position feedback.

The motor's shaft end includes a feather key with circular runout tolerance N, and it is rated with vibration severity grade N. Additionally, the motor is protected by a gamma sealing ring (IP65), offering enhanced durability in challenging environments.

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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This servo motor is ideal for applications requiring high torque and speed precision, such as robotics, CNC machinery, and automated assembly lines.

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