1FT6044-1AF71-4EG1-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6044-1af71-4eg1-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT6044-1AF71-4EG1-Z
Product Type	Synchronous Servomotor
Rated Torque	5.0 Nm
Rated Speed	3000 rpm
Cooling Method	Natural Air Cooling
Encoder Type	Absolute Encoder (EnDat 2048 p/r)
Construction Standard	IM B5
Connector Outlet Direction	Axial at Drive End
Protection Rating	IP65

Description

The Siemens 1FT6044-1AF71-4EG1-Z is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precision applications in industrial automation. This motor features a rated torque of 5.0 Nm, operates at a rated speed of 3000 rpm, and utilizes natural air cooling for efficient thermal management.

It is equipped with an absolute encoder (EnDat 2048 p/r) for precise position feedback, ensuring accurate motion control. The motor's construction adheres to the IM B5 standard, with an axial connector outlet direction at the drive end, facilitating straightforward integration into various systems.

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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With an IP65 protection rating, the 1FT6044-1AF71-4EG1-Z is suitable for environments requiring robust dust and water resistance. This motor is ideal for applications in automotive, aerospace, power generation, and electronics industries, where high efficiency and reliability are paramount.

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