1FT6105-1AC71-2EG1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6105-1ac71-2eg1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Continuous Torque	50 Nm
Speed	2000 rpm
Cooling Type	Naturally cooled
Enclosure Rating	IP65
Encoder Type	Absolute encoder (EnDat 2048 S/R)
Mounting Configuration	IM B5 (compatible with IM V1 and IM V3)

Description

The Siemens 1FT6105-1AC71-2EG1 is a high-performance synchronous servomotor from the SIMOTICS S series, engineered for precision and reliability in industrial automation applications. This model delivers a continuous torque of 50 Nm and operates at a speed of 2000 rpm, making it suitable for tasks requiring consistent and accurate motion control.

The motor is naturally cooled, eliminating the need for external cooling systems, and features an IP65 enclosure rating, ensuring robust protection against dust and water ingress. It is equipped with an absolute encoder (EnDat 2048 S/R), providing precise position feedback essential for high-precision applications.

The motor's mounting configuration is IM B5, compatible with IM V1 and IM V3, offering flexibility in installation. Designed without a holding brake, it is ideal for applications where braking is not necessary.

This servomotor is part of Siemens' SIMOTICS S series, known for its durability and efficiency in demanding industrial 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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