1FT6102-8AC71-1AA1

Industrial automation components

Add to quote

Ask about this product



Manufacturer	Siemens
Catalog number	1ft6102-8ac71-1aa1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Continuous Torque	27 Nm
Rated Speed	2000 rpm
Mounting Flange	IM B5
Encoder Type	Incremental Encoder
Encoder Resolution	2048 pulses per revolution
Shaft Design	Feather Key with Circular Runout Tolerance N
Gamma Sealing Ring	IP65

Description

The Siemens 1FT6102-8AC71-1AA1 is a SIMOTICS S synchronous servomotor designed for precise motion control in industrial automation applications. This three-phase AC motor delivers a continuous torque of 27 Nm and operates at a rated speed of 2000 rpm, making it suitable for tasks requiring consistent and reliable performance.

The motor features natural air cooling, ensuring efficient thermal management during operation. It is constructed with an IM B5 mounting flange, compatible with standard IEC dimensions, facilitating straightforward integration into various machinery setups.

The 1FT6102-8AC71-1AA1 is equipped with an incremental encoder with a sin/cos 1 Vpp signal and a resolution of 2048 pulses per revolution, providing accurate feedback for precise positioning. The shaft end is designed with a feather key and a circular runout tolerance of N, ensuring secure coupling and minimal vibration during operation.

Additionally, the motor is rated with a vibration severity grade of N, indicating low vibration levels during operation. The gamma sealing ring (IP65) offers protection against dust and water

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

Generated on demand. The PDF file is not stored on the server.

ingress, enhancing the motor's durability in challenging environments.

This servomotor is ideal for applications in robotics, CNC machinery, and other automated systems where high precision and reliability are paramount.

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

Generated on demand. The PDF file is not stored on the server.