1FT6086-8AC71-1AG1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6086-8ac71-1ag1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Continuous Torque	27 Nm
Maximum Speed	2000 rpm
Cooling Type	Natural Air Cooling —
Encoder Type	Incremental Encoder —
Encoder Resolution	2048 S/R
Enclosure Rating	IP65 —
Sealing Ring	Gamma Sealing Ring —

Description

The Siemens 1FT6086-8AC71-1AG1 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precision motion control applications. This three-phase motor delivers a continuous torque of 27 Nm and operates at a maximum speed of 2000 rpm, making it suitable for tasks requiring consistent and reliable performance.

It features natural air cooling, ensuring efficient thermal management during operation. The motor is equipped with an incremental encoder with a 2048 S/R resolution, providing precise feedback for accurate positioning.

Its smooth shaft design with circular runout tolerance N enhances mechanical stability and reduces vibration. The motor is housed in an IP65-rated enclosure, offering robust protection against dust and water ingress, which is essential for industrial environments.

Additionally, it includes a gamma sealing ring to further enhance its durability and reliability. This servomotor is ideal for integration into automation systems where high torque and speed stability are critical.

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