1FT6105-8AF71-4FG1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6105-8af71-4fg1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Continuous Torque	50 Nm
Maximum Speed	3000 rpm
Cooling Type	Natural Air Cooling
Protection Class	IP65
Encoder Type	Absolute Encoder (A-2048) with Drive-CLiQ Interface
Shaft Design	Smooth Shaft with Circular Runout Tolerance N
Holding Brake	Not Included

Description

The Siemens 1FT6105-8AF71-4FG1 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precision motion control applications. This model delivers a continuous torque of 50 Nm and operates at a maximum speed of 3000 rpm, making it suitable for demanding industrial automation tasks.

It features natural air cooling and is rated with an IP65 protection class, ensuring durability and reliability in various environments. The motor is equipped with an absolute encoder (A-2048) with a Drive-CLiQ interface, providing precise position feedback and facilitating seamless integration with Siemens drive systems.

Its smooth shaft design with circular runout tolerance N enhances operational stability, while the absence of a holding brake reduces mechanical complexity. The motor's vibration severity grade N indicates low vibration levels during operation, contributing to the overall system's performance and longevity.

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