AUTOMATION TRADER

1FT6105-8AC71-4EB1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6105-8ac71-4eb1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous Servo Motor
Continuous Torque	50 Nm
Rated Speed	2000 rpm
Encoder Type	Absolute Encoder (EnDat 2048 S/R) with DRIVE-CLiQ Interface
Cooling Method	Natural Cooling (IM B5)
Protection Class	IP65

Description

The Siemens 1FT6105-8AC71-4EB1 is a high-performance synchronous servo motor from the SIMOTICS S series, designed for precision motion control applications. This motor delivers a continuous torque of 50 Nm and operates at a rated speed of 2000 rpm, making it suitable for demanding industrial automation tasks.

It features natural cooling (IM B5) and is equipped with an absolute encoder (EnDat 2048 S/R) with a DRIVE-CLiQ interface, ensuring precise position feedback. The motor includes a feather key for secure shaft coupling and has a vibration severity grade of N, indicating low vibration levels during operation.

Additionally, it is rated IP65 for protection against dust and water ingress, enhancing its durability in various environments. This motor is ideal for applications requiring high torque and precise control, such as robotics, CNC machinery, and automated assembly lines.

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