1FT6064-6AF71-3EL1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6064-6af71-3el1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT6064-6AF71-3EL1
Product Type	Synchronous Servo Motor
Rated Torque	9.5 Nm
Rated Speed	3000 rpm
Cooling Method	Natural air cooling
Mounting Flange	IM B5
Encoder Type	Absolute encoder with 2048 S/R resolution
Connector Outlet Direction	Axial, Non-Drive End (NDE)
Holding Brake	Included
Protection Rating	IP65

Description

The Siemens 1FT6064-6AF71-3EL1 is a high-performance synchronous servo motor from the SIMOTICS S series, designed for precision motion control applications. This motor delivers a rated torque of 9.5 Nm and operates at a maximum speed of 3000 rpm, making it suitable for demanding automation tasks.

It features natural air cooling, ensuring efficient thermal management during operation. The motor is constructed with an IM B5 mounting flange, compatible with IM V1 and IM V3 configurations, offering flexibility in installation.

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For feedback, it utilizes an absolute encoder with 2048 S/R resolution, providing precise position and speed monitoring. The connector outlet is directed axially at the non-drive end (NDE), facilitating streamlined wiring.

Additionally, the motor includes a holding brake, enhancing safety and control during operation. With a vibration severity grade of N and an IP65 protection rating, it is well-suited for industrial environments requiring robust performance and reliability.

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