1FT6064-6AF71-4TA0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6064-6af71-4ta0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Continuous Torque	9.5 Nm
Rated Speed	3000 rpm
Mounting Flange	IM B5 –
Encoder Type	Absolute Encoder –
Encoder Resolution	2048 S/V
Shaft Design	Smooth Shaft with Feather Key –
Protection Class	IP65 –

Description

The Siemens Brushless Servomotor 1FT6064-6AF71-4TA0 is a high-performance synchronous motor designed for precision motion control applications. Part of Siemens' SIMOTICS S series, this motor delivers a continuous torque of 9.5 Nm and operates at a rated speed of 3000 rpm, ensuring reliable and efficient performance in demanding industrial environments.

It features natural air cooling and is constructed with an IM B5 mounting flange, suitable for various installation configurations. The motor is equipped with an absolute encoder with 2048 S/V resolution, providing precise position feedback for accurate motion control.

Its smooth shaft design with a feather key ensures secure coupling with driven machinery, while the circular runout tolerance N guarantees minimal vibration and noise during operation. The motor's vibration severity grade N and IP65-rated sealing ring offer enhanced durability and protection against environmental factors, making it suitable for a wide range of industrial applications.

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