1FT6064-6AF71-3AA0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6064-6af71-3aa0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT6064-6AF71-3AA0
Product Type	Synchronous Servo Motor
Rated Torque	9.5 Nm
Rated Speed	3000 rpm
Cooling Method	Natural Cooling
Mounting Flange	IM B5 (IM V1, IM V3)
Encoder System	Incremental Encoder sin/cos 1 Vpp 2048 pulses/rev
Shaft Design	Feather Key
Stopień ochrony	IP64

Description

The Siemens 1FT6064-6AF71-3AA0 is a high-performance synchronous servo motor from the SIMOTICS S series, designed for precision applications in industrial automation. This model features a rated torque of 9.5 Nm and operates at a rated speed of 3000 rpm, making it suitable for tasks requiring consistent and reliable motion control.

The motor is naturally cooled, ensuring efficient thermal management during operation. It is constructed with an IM B5 (IM V1, IM V3) mounting flange, facilitating easy integration into various machinery setups.

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The encoder system utilizes an incremental encoder with sin/cos 1 Vpp 2048 pulses per revolution, providing accurate position feedback essential for precise control. The motor shaft includes a feather key, ensuring secure coupling with driven components.

Designed for durability, it has a vibration severity grade of N and is equipped with a labyrinth seal (IP64), offering protection against dust and water ingress. This servo motor is ideal for applications in manufacturing, robotics, and other sectors where high precision and reliability are paramount.