1FT6064-6AK72-4AK0-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6064-6ak72-4ak0-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous Servomotor
Rated Torque	9.5 Nm
Maximum Speed	6000 rpm
Mounting Standard	IM B14
Encoder Resolution	2048 S/R
Connector Outlet Direction	Axial
Shaft Design	Smooth
Protection Class	IP64

Description

The Siemens 1FT6064-6AK72-4AK0-Z is a SIMOTICS S synchronous servomotor designed for high-performance applications requiring precise control and reliability. This motor features a rated torque of 9.5 Nm and operates at a maximum speed of 6000 rpm, making it suitable for demanding industrial environments.

It utilizes natural air cooling and conforms to the IM B14 mounting standard, ensuring compatibility with various setups. The motor is equipped with an incremental encoder providing a 2048 S/R resolution, facilitating accurate position feedback.

Its axial connector outlet direction and smooth shaft design contribute to seamless integration into existing systems. With a protection class of IP64, the motor is well-suited for environments where dust and water ingress are concerns.

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This model is ideal for applications in automation, robotics, and other sectors where precision and durability are paramount.

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