1FT5024-0AC01-1ZZ9-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft5024-0ac01-1zz9-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Operating Voltage	210 V DC
Continuous Torque	0.40 Nm
Peak Torque	1.2 Nm
Maximum Speed	2000 RPM
Cooling Type	Air Cooling
Feedback System	Tachogenerator and Shaft-End Position Encoder
Protection Rating	IP64
Mounting Standard	IM B5 (IM V1, IM V3)

Description

The Siemens 1FT5024-0AC01-1ZZ9-Z is a high-performance AC servomotor designed for precision motion control applications. Manufactured by Siemens, a leader in industrial automation, this motor is part of the 1FT5 series, known for its reliability and efficiency.

The motor operates on a DC link voltage of 210 V, delivering a continuous torque of 0.40 Nm and a peak torque of 1.2 Nm. It achieves a maximum speed of 2000 RPM, suitable for applications requiring moderate rotational speeds.

The motor features air cooling, ensuring optimal thermal management during operation. It includes a tachogenerator and shaft-end position encoder, providing precise feedback for accurate positioning and speed control.

With an IP64 protection rating, the motor is well-suited for environments where dust and water ingress are concerns. The motor's design complies with the IM B5 (IM V1, IM V3) mounting standard,

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facilitating versatile installation options.

The power and signal connectors are designed for easy integration into existing systems. This motor is ideal for applications in robotics, CNC machinery, and other automation systems where precise motion control is essential.

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