1FT5044-0AK01-1-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft5044-0ak01-1-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Napięcie zasilania	210 V
Torque	2
Speed (RPM)	6000
Temperature	100
Fire Rating	b5
Product Type	Motor
Signal Level	210 V

Description

The Siemens 1FT5044-0AK01-1-Z is an AC servo motor designed for high-performance applications in industrial automation. This motor operates with a DC link voltage of 210 V and delivers a rated torque of 2.0 Nm, making it suitable for precise motion control tasks.

It features a rated speed of 6000 RPM and utilizes air cooling to maintain optimal operating temperatures. The motor is equipped with a tachogenerator and a shaft position encoder, ensuring accurate speed and position feedback.

Its construction adheres to the IP64 protection class, providing resistance against dust and water ingress, and it follows the IM B5 (IM V1, IM V3) mounting standard for versatile installation options.

The power and signal connectors are designed for reliable electrical connections, facilitating seamless integration into automation systems. This motor is ideal for applications requiring precise control and high-speed operation, such as robotics, CNC machinery, and automated assembly lines.

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