1FT5070-0AC71-2

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft5070-0ac71-2
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Rated Speed	2000 rpm
Rated Torque	3.1 Nm
DC Link Voltage	600 V
Cooling Type	Natural air cooling
Protection Rating	IP64

Description

The Siemens 1FT5070-0AC71-2 is a high-performance AC servomotor designed for precision motion control in industrial automation systems. Part of the SIMODRIVE 611 series, this motor features a rated speed of 2000 RPM and a rated torque of 3.1 Nm, making it suitable for applications requiring consistent and reliable performance.

It operates with a DC link voltage of 600 V and utilizes natural air cooling, ensuring efficient thermal management during operation. The motor is equipped with a tachogenerator and shaft position encoder, providing accurate feedback for precise control.

With an IP64 protection rating, it offers robust resistance against dust and water ingress, enhancing its durability in various industrial environments. The IM B5 (IM V1, IM V3) construction type allows for flexible mounting options, accommodating different installation requirements.

This servomotor is ideal for applications in robotics, CNC machinery, and other automation systems where high torque and speed precision are essential.

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