1FT5072-0AF01-1-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft5072-0af01-1-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Torque	12
Speed (RPM)	3000
Torque	12 NM
Speed (RPM)	3000 RPM
DC Link Voltage	210 V
Cooling Type	Natural Air Cooling
Protection Rating	IP64
Mounting Type	IM B5 (IM V1, IM V3)

Description

The Siemens 1FT5072-0AF01-1-Z is an advanced AC servomotor designed for precision applications in industrial automation. Operating at a DC link voltage of 210 V, it delivers a continuous torque of 12 Nm and achieves a rated speed of 3000 RPM, ensuring reliable performance in demanding environments.

The motor features natural air cooling, a tachogenerator, and a shaft position encoder, enhancing its operational efficiency and accuracy. With an IP64 protection rating, it offers robust resistance against dust and water ingress, making it suitable for various industrial settings.

The motor's construction adheres to the IM B5 (IM V1, IM V3) standard, facilitating versatile mounting options. This model is ideal for integration into CNC machines, robotics, and other precision machinery, where high torque and speed stability are essential.

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