1FT5076-1AF71-1EG0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft5076-1af71-1eg0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Rated Speed	3000 RPM
Rated Torque	22 Nm
Cooling Type	Natural
Protection Rating	IP64
Shaft Design	Fitted Key and Groove

Description

The Siemens Permanent Magnet Motor 1FT5076-1AF71-1EG0 is a high-performance AC feed motor designed for precision applications requiring reliable and efficient operation. This motor operates with a DC link voltage of 600 V and delivers a rated torque of 22 Nm at a rated speed of 3000 RPM, making it suitable for demanding industrial environments.

It features natural cooling, ensuring optimal thermal management during continuous operation. The motor is equipped with a tachogenerator and a shaft position encoder, providing precise feedback for motion control systems.

With an IP64 protection rating, it offers robust resistance against dust and water ingress, enhancing its durability in harsh conditions. The motor's design includes power and signal connectors with a transverse right outlet direction, facilitating straightforward integration into various systems.

Additionally, it is prepared for encoder mounting, allowing for future upgrades or replacements. The shaft is designed with a fitted key and groove, ensuring secure coupling with driven components. Notably, this model does not include a holding brake, which may be advantageous in applications where braking is not required.

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This motor is ideal for use in CNC machines, robotics, and other automation systems where precision and reliability are paramount.

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