1FT5076-0AF71-2-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft5076-0af71-2-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Manufacturer	Siemens
Part Number	1FT5076-0AF71-2-Z
Product Type	Permanent Magnet Synchronous AC Servomotor
DC Link Voltage	600 V
Rated Torque	16.5 Nm
Maximum Speed	4,800 rpm
Cooling Type	Natural Cooling
Feedback Devices	Tachogenerator and Shaft Position Encoder
IP Rating	IP64
Mounting Configuration	IM B5
Frame Size	76 mm
Shaft Height	71 mm

Description

The Siemens 1FT5076-0AF71-2-Z is a permanent magnet synchronous AC servomotor designed for precise motion control in industrial applications. Operating at a DC link voltage of 600 V, it delivers a rated torque of 16.5 Nm and achieves a maximum speed of 4,800 rpm.

The motor features natural cooling, eliminating the need for additional ventilation. It incorporates a tachogenerator and shaft position encoder for accurate speed and position feedback. With an IP64 rating, the motor is protected against dust and water splashes, making it suitable for various

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industrial environments.

The mounting configuration is IM B5, allowing for flange mounting on compatible systems. The motor's dimensions include a frame size of 76 mm, a shaft height of 71 mm, and a length of 358 mm. It has a shaft diameter of 24 mm and a flange centering diameter of 130 mm. The motor weighs approximately 21 kg without a brake and 22.5 kg with a brake.