1FT5032-0AF01-1-Z-1FT50320AF011Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft5032-0af01-1-z-1ft50320af011z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT5032-0AF01-1-Z
Continuous Torque	0.45 Nm
Maximum Speed	7000 RPM
Cooling Method	Natural Cooling
Feedback System	Tachogenerator and Resolver
Degree of Protection	IP64
Mounting Configuration	IM B5 (IM V1, IM V3)

Description

The Siemens 1FT5032-0AF01-1-Z is a high-performance AC servo motor from the SIMOTICS S series, designed for precise motion control in industrial automation applications. Operating at a DC link voltage of 210 V, it delivers a continuous torque of 0.45 Nm and achieves a maximum speed of 3000 RPM, with a peak speed capability of up to 7000 RPM.

This motor features natural cooling, ensuring efficient thermal management during operation. It is equipped with both a tachogenerator (TG) and a resolver (RLG), providing accurate feedback for precise position and speed control.

The motor has a degree of protection rated at IP64, offering robust resistance against dust and water ingress. Its mounting configuration is IM B5 (IM V1, IM V3), suitable for various installation scenarios.

AUTOMATION TRADER

Automation Trader
960 Capability Green
Luton, Bedfordshire LU1 3PE

VAT ID: PL6463009354
REGON: 527345886
DUNS: 427734105
BDO: 000726360

Phone
+44 7418 359 399

Email
info@automationtrader.com

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The 1FT5032-0AF01-1-Z is ideal for applications requiring reliable and precise motion control, such as robotics, CNC machinery, and automated assembly lines.

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