1FK7033-7AF21-1TB0-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7033-7af21-1tb0-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous
Continuous Torque	1.2 Nm
Rated Speed	3000 rpm
Cooling Type	Natural
Mounting Flange	IM B5
Encoder System	Multi-pole resolver
DRIVE-CLiQ Interface	Not included
Shaft End	Smooth, radial eccentricity N
Holding Brake	Included
Degree of Protection	IP 64

Description

The Siemens 1FK7033-7AF21-1TB0-Z is a high-performance synchronous servo motor from the 1FK7 series, designed for dynamic and precise motion control applications. Operating at a DC link voltage of 300 V, it delivers a continuous torque of 1.2 Nm and achieves a rated speed of 3000 rpm.

This motor features natural cooling and is constructed with an IM B5 mounting flange, suitable for various industrial setups. It is equipped with a multi-pole resolver encoder system, ensuring accurate position feedback without the DRIVE-CLiQ interface.

The shaft end is smooth with a radial eccentricity of N, and the motor includes a holding brake for enhanced safety during operation. With a degree of protection rated at IP 64, it is suitable for

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environments requiring moderate protection against dust and water ingress.

This motor is ideal for applications requiring high dynamic performance and precise control, such as robotics, CNC machinery, and automated production lines.

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