AUTOMATION TRADER

1FK7033-7AF21-1TA0-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7033-7af21-1ta0-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous
Servo Type	Three-phase
Series	1FK7
Rated Speed	3000 rpm
Rated Torque	1.2 Nm
DC Link Voltage	300 V
Encoder Type	Incremental
Encoder Resolution	2048 pulses/rev
Mounting Type	IM B5
Degree of Protection	IP 64

Description

The Siemens 1FK7033-7AF21-1TA0-Z is a high-performance synchronous servo motor from the 1FK7 series, designed for dynamic applications requiring precise control and reliability. Operating at a rated speed of 3000 rpm, it delivers a continuous torque of 1.2 Nm, making it suitable for tasks demanding consistent performance.

The motor operates at a DC link voltage of 300 V, ensuring compatibility with standard industrial power systems. Its natural cooling system eliminates the need for external cooling mechanisms, simplifying integration into various setups.

The motor features an incremental encoder with 2048 pulses per revolution, providing accurate position feedback essential for precise motion control. The IM B5 mounting type allows for versatile installation options, accommodating different mechanical configurations.

With a degree of protection rated at IP 64, the motor is well-suited for environments where dust and water ingress are concerns. This motor is ideal for applications in robotics, CNC machinery, and other automation systems where high precision and reliability are paramount.

AUTOMATION TRADER

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