AUTOMATION TRADER

1FT7042-2AK71-1TG0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft7042-2ak71-1tg0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT7042-2AK71-1TG0
Product Type	Synchronous Motor
Series	1FK7
Rated Power	0.94 kW
Rated Speed	6000 rpm
Cooling Type	Naturally Cooled
Mounting Type	IMB 5
Power Connector	Rotatable
Resolver Type	2-Pole Resolver with DRIVE-CLiQ Interface
Shaft Design	Smooth Shaft with Tolerance N
Holding Brake	None

Description

The Siemens 1FT7042-2AK71-1TG0 is a SIMOTICS S synchronous motor from the 1FK7 series, designed for precise motion control applications. This motor offers a rated power (PN) of 0.94 kW and operates at a rated speed (NN) of 6000 rpm, making it suitable for high-speed applications.

It features a naturally cooled design (IMB 5), ensuring efficient thermal management during operation. The motor is equipped with a rotatable power connector and a 2-pole resolver with DRIVE-CLiQ interface, facilitating seamless integration into automation systems.

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Its smooth shaft design with tolerance N and absence of a holding brake contribute to its compact and efficient design. With a degree of protection IP64, the motor is well-suited for industrial environments where dust and water ingress are concerns.

This motor is ideal for applications requiring precise speed and position control, such as in robotics, CNC machinery, and automated assembly lines.

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