1FK6040-6AK71-1TG0-LP090-M01-10-111-000

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk6040-6ak71-1tg0-lp090-m01-10-111-000
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous Servo Motor
Torque	1.6 Nm Newton meters
Speed	6000 RPM Revolutions per minute
Cooling	Natural air cooling
Mounting	IM B5
Connector	Rotatable power/signal connector plug
Encoder	2-pole resolver (P=1)
Shaft	Smooth shaft with Tolerance N
Degree of Protection	IP64

Description

The Siemens 1FK6040-6AK71-1TG0 is a 6-pole synchronous servo motor from the 1FK6 series, delivering 1.6 Nm of torque at 6000 RPM. Designed for industrial automation applications, it features natural air cooling and is mounted in an IM B5 configuration.

The motor includes a rotatable power/signal connector plug, allowing for flexible installation. It utilizes a 2-pole resolver (P=1) for position feedback, ensuring precise motion control. The smooth shaft with Tolerance N and IP64 protection make it suitable for various industrial environments. This model does not include a holding brake.

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