1FT6031-4AK71-4EH0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6031-4ak71-4eh0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Permanent-magnet synchronous motor
Encoder Type	Incremental encoder
Cooling Method	Natural cooling
Protection Rating	IP64
Rated Speed	6000 RPM

Description

The Siemens 1FT6031-4AK71-4EH0 is a compact permanent-magnet synchronous servomotor from the 1FT6 series, designed for precise motion control in industrial automation applications. Operating at a rated speed of 6,000 revolutions per minute (RPM), it delivers a continuous torque of 1.0 Newton-meter (Nm) and a power output of 0.47 kilowatts (kW).

The motor features natural cooling, eliminating the need for external cooling systems, and is equipped with an incremental encoder for accurate position feedback. Its smooth shaft design facilitates straightforward integration into various mechanical systems.

With an IP64 protection rating, the motor is well-suited for demanding industrial environments, offering resistance against dust and moisture ingress. This model is ideal for applications requiring high precision and reliability, such as robotics, CNC machinery, and automated assembly lines.

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