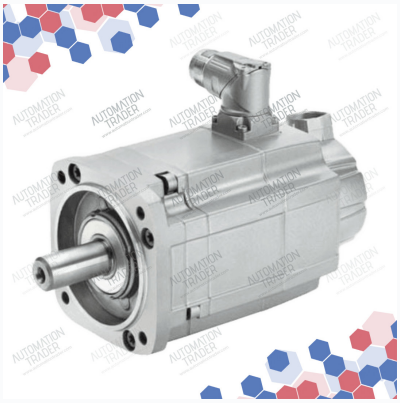
1FT7034-1AK71-1CG1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft7034-1ak71-1cg1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT7034-1AK71-1CG1
Product Type	Synchronous Motor
Product Series	SIMOTICS S 1FT7
Rated Torque	2 Nm
Rated Speed	6,000 rpm
Rated Power	0.88 kW
Cooling Type	Naturally Cooled
Encoder Type	Absolute Encoder AM24DQI
Encoder Resolution	24-bit Single-Turn + 12-bit Multi-Turn
Interface Type	DRIVE-CLiQ
Power Connector	Rotatable

Description

The Siemens 1FT7034-1AK71-1CG1 is a SIMOTICS S synchronous motor from the 1FT7 series, designed for high-performance applications requiring precise control and reliability. This motor features a rated torque of 2 Nm at 100,000 rpm, a rated speed of 6,000 rpm, and a rated power of 0.88 kW, all while being naturally cooled for efficient operation.

It is equipped with an absolute encoder AM24DQI, offering 24-bit single-turn and 12-bit multiturn resolution with a DRIVE-CLiQ interface, ensuring precise position feedback. The motor's power

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connector is rotatable, providing flexibility in installation, and it has a vibration severity grade of A, indicating high operational stability.

With a degree of protection rated at IP65, the motor is well-suited for harsh industrial environments. The frame size is IMB 5, compatible with IM V1 and IM V3, and it features a conventional flange compatible with 1FT6 and 1FK7 series motors.

The motor has a plain shaft without a holding brake and an accuracy tolerance of N, ensuring precise performance. This motor is ideal for applications requiring high torque and speed precision, such as robotics, CNC machinery, and automated production lines.