1FK7064-4CF71-1QG0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7064-4cf71-1qg0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FK7064-4CF71-1QG0
Product Type	Synchronous Motor
Product Family	SIMOTICS S-1FK7
Moc znamionowa	2.5 kW
Rated Torque	12 Nm
Rated Speed	3000 rpm
Cooling Type	Natural Cooling
Stopień ochrony	IP64
Encoder Type	Absolute Encoder Single-Turn 20-Bit with DRIVE-CLiQ Interface (Encoder AS20DQI)
Shaft Type	Plain Shaft with Tolerance N

Description

The Siemens 1FK7064-4CF71-1QG0 is a high-performance synchronous motor from the SIMOTICS S-1FK7 series, designed for demanding industrial applications requiring precise motion control and reliability.

This motor features a rated power of 2.5 kW, a rated torque of 12 Nm, and operates at a rated speed of 3000 rpm, making it suitable for applications such as robotics, CNC machinery, and automated production lines.

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It is naturally cooled and has a degree of protection IP64, ensuring durability in various industrial environments. The motor is equipped with a rotatable absolute encoder single-turn 20-bit with DRIVE-CLiQ interface (Encoder AS20DQI), providing precise position feedback for accurate motion control.

The plain shaft with tolerance N and the absence of a holding brake make it ideal for applications where precise positioning and smooth operation are critical. The motor's frame size is IMB 5 (IM V1, IM V3), and it is designed for use with SINAMICS S120 drive systems, offering seamless integration and optimal performance.