1FK7060-2AC71-1FB0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7060-2ac71-1fb0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Continuous Power Output	1.1 kW
Rated Torque	5.3 Nm
Rated Speed	2000 rpm
DC Link Voltage	600 V
Protection Rating	IP64
Encoder Type	22-bit single-turn absolute encoder with DRIVE-CLiQ interface

Description

The Siemens 1FK7060-2AC71-1FB0 is a high-performance synchronous motor from the SIMOTICS S 1FK7 series, designed for precision and reliability in industrial automation applications. This motor delivers a continuous power output of 1.1 kW and a rated torque of 5.3 Nm at a nominal speed of 2000 rpm.

It operates at a DC link voltage of 600V and features a naturally cooled design with an IP64 protection rating, ensuring durability in demanding environments. The motor is equipped with a rotatable power connector, a smooth shaft with a fitted key (tolerance N), and includes a holding brake, facilitating flexible installation and secure operation.

Additionally, it incorporates a 22-bit single-turn absolute encoder with a DRIVE-CLiQ interface, providing precise position and speed feedback for advanced motion control systems. The 1FK7060-2AC71-1FB0 is suitable for applications requiring high torque and speed stability, such as robotics, CNC machinery, and other precision automation tasks.

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