1FK7034-5AK71-1HH5

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7034-5ak71-1hh5
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous
Servomotor Type	Three-phase servomotor
Series	7
Size	03
Length	4
Cooling	Natural cooling (self-cooled)
Rated Speed	6000 rpm
DC Link Voltage	600 V
Encoder System	Absolute encoder with DRIVE-CLiQ interface
Shaft End	With keyway and radial eccentricity N
Holding Brake	Included
Degree of Protection	IP 65 and IP 67 for drive end flange

Description

The Siemens 1FK7034-5AK71-1HH5 is a compact, three-phase synchronous servo motor from the SIMOTICS S-1FK7 series, designed for high-performance applications requiring precise motion control. This motor features a nominal torque of approximately 1.6 Nm at a rated speed of 6,000 rpm, delivering a continuous output power of 0.63 kW.

It operates with a DC link voltage of 600 V and utilizes natural cooling (self-cooled) for efficient thermal management. The motor is equipped with an absolute encoder system with a DRIVE-CLiQ

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interface, providing high-resolution feedback for accurate position and speed control.

The shaft end is designed with a keyway and radial eccentricity N, and it includes a holding brake for enhanced safety and control. With a degree of protection rated at IP 65, and IP 67 for the drive end flange, the motor is suitable for demanding industrial environments.

The motor's construction adheres to the IM B5 (IM V1, IM V3) standard, ensuring compatibility with various mounting configurations. The power and signal connectors are rotatable by 270°, offering flexible installation options.

This motor is ideal for applications such as robotics, CNC machinery, and other systems requiring precise and reliable motion control.