1FK7103-2AF71-1EH0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7103-2af71-1eh0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FK7103-2AF71-1EH0
Product Type	Synchronous Servomotor
Rated Power	4.4 kW
DC Link Voltage	600 V
Continuous Torque	36 Nm
Rated Speed	3000 rpm
Cooling Type	Naturally Cooled
Mounting Type	Flange
Encoder Type	Absolute Single-Turn 20-Bit Encoder with Drive-CLiQ Interface
Shaft Type	Smooth with Tolerance N
Holding Brake	None

Description

The Siemens 1FK7103-2AF71-1EH0 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precision motion control applications. This motor features a rated power of 4.4 kW, operates at a DC link voltage of 600 V, and delivers a continuous torque of 36 Nm at 3,000 rpm.

It is naturally cooled and constructed with an IMB 5 design, suitable for flange mounting. The motor is equipped with a rotatable power connector and an absolute single-turn 20-bit encoder with a Drive-CLiQ interface, ensuring precise position feedback.

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The shaft is smooth with a tolerance N and does not include a holding brake. With an IP64 degree of protection, it is suitable for various industrial environments. This motor is ideal for applications requiring high torque and precise speed control, such as robotics, CNC machinery, and automated production lines.