1FK7103-5AF71-1EH5-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7103-5af71-1eh5-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FK7103-5AF71-1EH5-Z
Motor Type	Synchronous
Typ montażu	IM B5 (IM V1, IM V3)
Encoder Type	Absolute Encoder (EnDat 2048 pulses/rev)

Description

The Siemens 1FK7103-5AF71-1EH5-Z is a compact synchronous servo motor from the SIMOTICS S series, designed for high-performance applications requiring precise motion control. This motor features a rated torque of 36 Nm, a rated speed of 3000 rpm, and a rated power output of 4.40 kW, making it suitable for demanding industrial automation tasks.

It operates with natural air cooling and is constructed with an IM B5 (IM V1, IM V3) mounting type, ensuring versatility in installation. The motor is equipped with an absolute encoder (EnDat 2048 pulses per revolution), providing precise position feedback essential for accurate motion control.

Additionally, the power and signal connectors can be rotated by 270 degrees, offering flexible installation options. The motor's degree of protection is IP64, ensuring reliable operation in various industrial environments.

This model is ideal for applications requiring high torque and speed precision, such as robotics, CNC machinery, and automated assembly lines.

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