1FK7101-5AF71-1EH0-ALPHENO-040-1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7101-5af71-1eh0-alpheno-040-1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous Servo Motor
Rated Torque	15.5 Nm
Rated Speed	3000 rpm
Optimal Power	4.85 kW
Cooling Type	Natural Air Cooling
Encoder Type	Absolute Encoder (EnDat 2048 P/R)
Connector Rotation	270°
Degree of Protection	IP64
Brand	Siemens
Part Number	1FK7101-5AF71-1EH0
Product Type	Synchronous Servo Motor

Description

The Siemens 1FK7101-5AF71-1EH0 is a compact synchronous servo motor from the SIMOTICS S series, designed for high-performance applications requiring precise motion control. This motor delivers a rated torque of 15.5 Nm and operates at a rated speed of 3000 rpm, providing optimal power output of 4.85 kW.

It features natural air cooling, eliminating the need for additional cooling systems. The motor is equipped with an absolute encoder (EnDat 2048 P/R) for precise position feedback, and its

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power/signal connectors can be rotated by 270°, offering flexible installation options.

The motor's degree of protection is IP64, ensuring reliable operation in various industrial environments. The Alpheno 040-1 is a compatible servo amplifier designed to work seamlessly with the 1FK7101-5AF71-1EH0 motor, providing efficient and precise control for demanding automation tasks.