AUTOMATION TRADER

1FK7105-5AF71-1EH3

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7105-5af71-1eh3
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous motor
Continuous Torque	48 Nm
Rated Speed	3000 rpm
Rated Power	8.17 kW
Cooling Type	Natural air cooling
Frame Type	IM B5 (V1, V3)
Encoder System	Absolute encoder EnDat 2048 pulses/rev
Shaft Design	Plain shaft with tolerance N
Holding Brake	Yes
Degree of Protection	IP64
Paint Finish	RAL7016

Description

The Siemens 1FK7105-5AF71-1EH3 is a synchronous servomotor from the SIMOTICS S 1FK7 series, designed for precise motion control in industrial automation applications. This compact motor delivers a continuous torque of 48 Nm and operates at a rated speed of 3000 rpm, providing a rated power output of 8.17 kW.

It features natural air cooling and is housed in an IM B5 (V1, V3) frame, suitable for various mounting configurations. The motor is equipped with an absolute encoder system (EnDat 2048 pulses per revolution), ensuring high precision and performance.

Its plain shaft design with tolerance N and holding brake enhances operational reliability. With a degree of protection IP64 and a paint finish in RAL7016, the motor is built to withstand demanding industrial environments.

AUTOMATION TRADER

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