AUTOMATION TRADER

1FK7100-5AF71-1EH0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7100-5af71-1eh0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous
Rated Torque	18 Nm
Rated Speed	3000 rpm
Optimal Power	3.77 kW
Cooling Type	Natural Air Cooling
Frame Type	IM B5 (IM V1, IM V3)
Connector Rotation	270 degrees
Encoder Type	Absolute Encoder (EnDat 2048 P/rev)
Holding Brake	Yes
Stopień ochrony	IP64
Waga netto	22.002 kg

Description

The Siemens 1FK7100-5AF71-1EH0 is a compact synchronous servomotor from the SIMOTICS S series, designed for precise motion control applications. This motor delivers a rated torque of 18 Nm at a speed of 3000 rpm, providing optimal power of 3.77 kW.

It features natural air cooling and is housed in an IM B5 (IM V1, IM V3) frame, ensuring robust performance. The power and signal connectors are rotatable by 270°, offering flexible installation options.

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Equipped with an absolute encoder (EnDat 2048 P/rev), it ensures high-resolution feedback for accurate positioning. The motor includes a holding brake and has a degree of protection IP64, making it suitable for various industrial environments.

With a net weight of 22.002 kg, it is engineered for durability and efficiency in demanding applications.

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