1FK7042-5AF71-1EB2

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7042-5af71-1eb2
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous Servo Motor
Rated Torque	3.0 Nm
Rated Speed	3000 rpm
Moc znamionowa	0.82 kW
Cooling Type	Natural Air Cooling

Description

The Siemens 1FK7042-5AF71-1EB2 is a compact synchronous servo motor from the SIMOTICS S series, designed for precise motion control applications. It delivers a rated torque of 3.0 Nm at 3000 rpm, with a rated power output of 0.82 kW.

The motor operates with natural air cooling and features an IM B5 (IM V1, IM V3) mounting configuration. Its power and signal connectors are rotatable by 270 degrees, facilitating flexible installation.

The motor is equipped with an absolute encoder (EnDat 2048 P/R) for precise position feedback, with a performance reduction of approximately 10% due to the encoder. The shaft includes a fitted key with tolerance N, and the motor is designed without a holding brake.

It offers a degree of protection of IP65, ensuring resistance to dust and water ingress. This motor is ideal for applications requiring high precision and reliability in motion control systems.

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