1FK7032-2AK74-1SB0-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7032-2ak74-1sb0-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Rated Power	0.5 kW
Rated Speed	6000 rpm
Rated Torque	0.8 Nm
Cooling Type	Natural
Frame Design	IM B5 (IM V1, IM V3)
Flange Size	1
Temperature Sensor	Pt1000
Power Connector	Rotatable
Encoder System	Multi-pole resolver (P=3)
Shaft Type	Plain shaft with feather key (tolerance N)
Degree of Protection	IP64

Description

The Siemens 1FK7032-2AK74-1SB0-Z is a compact synchronous motor from the SIMOTICS S-1FK7 series, designed for precise motion control applications. With a rated power of 0.5 kW and a rated speed of 6,000 rpm, it delivers a rated torque of 0.8 Nm.

The motor features a natural cooling system and is housed in an IM B5 (IM V1, IM V3) frame with a flange size of 1. It includes a Pt1000 temperature sensor for thermal monitoring and a rotatable power connector for flexible installation.

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The motor is equipped with a multi-pole resolver (P=3) encoder system for accurate position feedback and has a plain shaft with a feather key (tolerance N). It offers an IP64 degree of protection, ensuring durability in various industrial environments. This motor is suitable for applications requiring high precision and reliability.

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