1FK7060-5AF71-1UG3

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7060-5af71-1ug3
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Rated Speed	3000 rpm
Rated Torque	4.7 Nm
Moc znamionowa	1.5 kW
Mounting Flange	IM B5 (IM V1, IM V3) –
Encoder Resolution	2048 P/R
Shaft End	Smooth, Tolerance N –
Holding Brake	Without –
Degree of Protection	IP64 –

Description

The Siemens 1FK7060-5AF71-1UG3 is a compact synchronous servomotor from the SIMOTICS S-1FK7 series, designed for precise motion control in industrial automation applications. Operating at a rated speed of 3,000 rpm, it delivers a rated torque of 4.7 Nm and a rated power of 1.5 kW, making it suitable for tasks requiring high precision and reliability.

The motor features natural air cooling and is constructed with an IM B5 (IM V1, IM V3) mounting flange, ensuring compatibility with various industrial setups. It is equipped with an incremental encoder with a 2048 pulses per revolution (P/R) resolution, providing accurate position feedback.

The shaft end is smooth with a tolerance of N, and the motor is designed without a holding brake, offering a degree of protection of IP64. This motor is ideal for applications in robotics, CNC machinery, and other systems where precise and reliable motion control is essential.

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