1FK7084-2AC71-1AH0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7084-2ac71-1ah0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Rated Speed	2000 rpm
Rated Torque	15.0 Nm
Rated Current	6.7 A
Motor Type	Synchronous
Cooling Type	Natural
Flange Type	IM B5 (IM V1, IM V3)
Encoder System	Incremental encoder, sin/cos 1 Vpp
Shaft End	Smooth shaft, radial eccentricity N
Degree of Protection	IP64

Description

The Siemens 1FK7084-2AC71-1AH0 is a high-performance three-phase synchronous servomotor from the SIMOTICS S-1FK7 series, designed for precision motion control applications. Operating at a rated speed of 2,000 rpm, it delivers a rated torque of 15.0 Nm and a rated current of 6.7 A, ensuring efficient and reliable performance.

The motor features a natural cooling system and is constructed with an IM B5 (IM V1, IM V3) flange, suitable for various mounting configurations. It is equipped with an incremental encoder system providing a sin/cos 1 Vpp signal, facilitating precise position feedback.

The motor's shaft end is smooth with radial eccentricity N, and it has a degree of protection rated at IP64, offering robust protection against dust and water ingress. This motor is ideal for applications requiring high torque and speed stability, such as robotics, CNC machinery, and

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