1FT6061-6AC71-4AA0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6061-6ac71-4aa0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous Servomotor
Rated Torque	4.0 Nm
Rated Speed	2000 rpm
Mounting Flange	IM B5 (IM V1, IM V3)
Resolver Type	2-pole Resolver (P=1)
Shaft Type	Smooth Shaft with Circular Runout Tolerance N
Holding Brake	Not Included
Ingress Protection Rating	IP64

Description

The Siemens 1FT6061-6AC71-4AA0 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precise motion control in industrial applications. This motor features a rated torque of 4.0 Nm at 100 K, operates at a rated speed of 2000 rpm, and utilizes natural cooling for efficient thermal management.

It is constructed with an IM B5 mounting flange (IM V1, IM V3) suitable for various installation configurations. The motor is equipped with a 2-pole resolver (resolver P=1) for accurate position feedback and has a smooth shaft with circular runout tolerance N, ensuring minimal mechanical vibrations.

Notably, it does not include a holding brake, making it ideal for applications where braking is not required. The motor's vibration severity grade is N, indicating low vibration levels during operation.

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Additionally, it features a labyrinth seal with an IP64 ingress protection rating, providing resistance against dust and water ingress. This motor is well-suited for applications requiring precise and reliable motion control, such as robotics, CNC machinery, and automated production lines.

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