1FT6062-6AC71-4EB7

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6062-6ac71-4eb7
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT6062-6AC71-4EB7
Motor Type	Synchronous AC Servo Motor
Frame Size	06
Rated Torque	6.0 Nm
Rated Speed	2000 rpm
Power Output	1.1 kW
Cooling Method	Natural Air Cooling
Mounting Flange	IM B5
Encoder System	Absolute Encoder (EnDat 2048 p/r)
Shaft End	With Key
Holding Brake	Without Holding Brake

Description

The Siemens SIMOTICS S Synchronous Servomotor 1FT6062-6AC71-4EB7 is a high-performance AC servo motor designed for precision motion control applications. Manufactured by Siemens, this motor is part of the 1FT6 series, known for its reliability and efficiency in industrial automation systems.

The model number 1FT6062-6AC71-4EB7 indicates specific configurations tailored for various operational requirements. Key features include a rated torque of 6.0 Nm, a rated speed of 2000 rpm, and a power output of 1.1 kW.

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The motor utilizes natural air cooling and is constructed with an IM B5 mounting flange, suitable for standard installations. It is equipped with an absolute encoder system (EnDat 2048 p/r), ensuring precise position feedback for accurate motion control.

The shaft end is designed with a key, and the motor operates without a holding brake, making it suitable for applications where continuous rotation is required. The vibration severity grade is N, indicating standard vibration levels for typical industrial environments.

The motor is rated with an IP68 protection class, providing robust sealing against dust and water ingress, suitable for harsh operating conditions. This servomotor is ideal for applications requiring high precision and reliability, such as robotics, CNC machinery, and automated assembly lines.