1FT6061-6AF71-3EB0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6061-6af71-3eb0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous AC Servo Motor
Rated Torque	4.0 Nm
Rated Speed	3000 rpm
Continuous Output Power	1.1 kW
Mounting Configuration	IM B5 (IM V1, IM V3)

Description

The Siemens 1FT6061-6AF71-3EB0 is a high-performance synchronous AC servo motor from the SIMOTICS S series, designed for precision motion control applications. This motor features a rated torque of 4.0 Nm, a rated speed of 3000 rpm, and a continuous output power of 1.1 kW, making it suitable for demanding automation tasks.

It operates with natural cooling and is constructed in an IM B5 (IM V1, IM V3) mounting configuration, ensuring versatility in installation. The motor is equipped with an absolute-value encoder (EnDat) with 2048 pulses per revolution, providing precise position feedback without the DRIVE-CLiQ interface.

The shaft end includes a feather key with a circular runout tolerance of N, and it comes with a holding brake for enhanced safety. Designed for durability, the motor has a vibration severity grade of N and an IP64 protection rating, offering resistance against dust and water ingress.

This motor is ideal for applications requiring high precision and reliability in industrial automation systems.

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