1FT6044-4AK71-4FA2

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6044-4ak71-4fa2
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous Servomotor
Rated Torque	5.0 Nm
Rated Speed	6000 rpm
Cooling Method	Natural Cooling
Encoder Type	Absolute Encoder (EnDat 2048 S/R)

Description

The Siemens 1FT6044-4AK71-4FA2 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precision motion control applications. This motor features a rated torque of 5.0 Nm and operates at a rated speed of 6000 rpm, making it suitable for demanding industrial automation tasks.

It utilizes natural cooling (IM B5) and is equipped with an absolute encoder (EnDat 2048 S/R), ensuring precise position feedback. The motor's smooth shaft design with circular runout tolerance N and absence of a holding brake contribute to its reliability and efficiency.

With a vibration severity grade N and a radial shaft seal rated at IP67, the 1FT6044-4AK71-4FA2 is built to withstand harsh industrial environments, offering durability and consistent performance.

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