AUTOMATION TRADER

1FT6044-4AK71-4UH3-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6044-4ak71-4uh3-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous Servomotor
Frame Size	04
Number of Poles	4
Cooling Method	Natural Cooling
Rated Speed	6000 rpm
Encoder Type	Absolute EnDat 2048 S/R
Shaft Design	Smooth Shaft
Holding Brake	Yes
Protection Rating	IP65

Description

The Siemens 1FT6044-4AK71-4UH3-Z is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precision motion control applications. This motor features a standstill torque of 5.0 Nm at 100 K, operates at a rated speed of 6000 rpm, and utilizes natural air cooling for efficient thermal management.

It is constructed with an IM B5 mounting flange, suitable for various industrial setups. The motor is equipped with an absolute EnDat 2048 S/R encoder, providing precise position feedback without the need for a DRIVE-CLiQ interface.

Its smooth shaft design ensures minimal radial eccentricity, and it includes a holding brake for enhanced safety during operation. With a vibration severity grade of N and an IP65 protection rating, the motor is well-suited for demanding environments requiring high reliability and durability.