1FT6084-8AC71-3EH1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6084-8ac71-3eh1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous Servomotor
Continuous Torque	20 Nm
Rated Speed	2000 rpm
Cooling Method	Natural Air Cooling
Mounting Flange	IM B5 (IM V1, IM V3)
Encoder System	Absolute Encoder (EnDat 2048 p/r)
Shaft Design	Smooth Shaft with Circular Runout Tolerance N
Holding Brake	Included
Protection Rating	IP65

Description

The Siemens 1FT6084-8AC71-3EH1 is a synchronous servomotor from the SIMOTICS S series, designed for precise motion control in industrial automation applications. This motor offers a continuous torque of 20 Nm and operates at a rated speed of 2000 rpm, making it suitable for tasks requiring consistent and reliable performance.

It features natural air cooling, eliminating the need for external cooling systems and simplifying installation and maintenance. The motor is constructed with an IM B5 (IM V1, IM V3) mounting flange, ensuring compatibility with standard industrial setups.

For feedback, it utilizes an absolute encoder system (EnDat 2048 p/r), providing high-resolution position and speed data for accurate control. The motor shaft is designed with a smooth surface and a circular runout tolerance of N, and it includes a holding brake, enhancing safety and stability

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during operation.

With a vibration severity grade of N and an IP65 protection rating, the motor is built to withstand harsh industrial environments, offering durability and longevity. These features collectively make the Siemens 1FT6084-8AC71-3EH1 an excellent choice for applications demanding high precision and reliability.

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