1FT6105-8AF71-3EH1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6105-8af71-3eh1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Continuous Torque	50 Nm
Rated Speed	3000 rpm
Mounting Flange	IM B5 standard
Encoder Type	Absolute EnDat 2048 S/R standard
Connector Outlet Direction	Axial Non-Drive-End standard
Shaft Design	Smooth Shaft standard
Protection Class	IP65 standard

Description

The Siemens 1FT6105-8AF71-3EH1 is a SIMOTICS S synchronous servomotor designed for high-performance applications requiring precise motion control. This motor delivers a continuous torque of 50 Nm and operates at a rated speed of 3000 rpm, making it suitable for demanding industrial environments.

It features natural air cooling, ensuring efficient thermal management without the need for additional cooling systems. The motor is constructed with an IM B5 mounting flange, compatible with various industrial setups.

It is equipped with an absolute EnDat 2048 S/R encoder, providing precise position feedback and enabling accurate motion control. The axial non-drive-end connector outlet facilitates straightforward integration into existing systems.

With a smooth shaft design and a circular runout tolerance of N, the motor ensures minimal vibration and noise during operation. The absence of a holding brake and the vibration severity grade N indicate a focus on smooth and reliable performance.

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Additionally, the motor is rated with an IP65 protection class, offering robust sealing against dust and water ingress, thereby enhancing its durability in harsh industrial settings.

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