1FT6064-1AF71-3EH1-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6064-1af71-3eh1-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Manufacturer	Siemens
Part Number	1FT6064-1AF71-3EH1-Z
Product Type	Synchronous Servomotor
Continuous Torque	9.5 Nm
Rated Speed	3000 RPM
Cooling Method	Natural Air Cooling
Protection Class	IP65
Encoder Type	Absolute Encoder
Encoder Resolution	2048 pulses per revolution
Holding Brake	Yes

Description

The Siemens 1FT6064-1AF71-3EH1-Z is a high-performance synchronous servomotor from the SIMOTICS S series, engineered for precision and reliability in industrial automation applications. This model delivers a continuous torque of 9.5 Nm at a rated speed of 3000 RPM, making it suitable for tasks requiring consistent and accurate motion control.

Designed with natural air cooling, it operates efficiently without the need for additional cooling systems. The motor boasts an IP65 protection class, ensuring robust resistance against dust and water ingress, which is essential for maintaining performance in demanding environments.

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It features an absolute encoder with EnDat 2048 pulses per revolution, providing precise position feedback for enhanced control and accuracy. The motor's design includes an axial non-drive end (NDE) with a holding brake, offering secure and reliable operation during stationary periods.

The 1FT6064-1AF71-3EH1-Z is compatible with various Siemens drive systems, facilitating seamless integration into existing setups. Its durable construction and advanced features make it a dependable choice for applications in automotive, aerospace, power generation, and electronics sectors, where high precision and durability are paramount.

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