1FT6105-8AF71-3EA1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6105-8af71-3ea1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Continuous Torque	50 Nm
Rated Speed	3000 rpm
Cooling Method	Natural cooling
Mounting Flange	IM B5
Encoder Type	Absolute encoder (EnDat 2048 S/R)
Connector Outlet Direction	Axial NDE
Shaft Design	Feather key, circular runout tolerance N
Protection Class	IP65

Description

The Siemens 1FT6105-8AF71-3EA1 is a SIMOTICS S synchronous servomotor from the 1FT6 series, 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 cooling and is constructed with an IM B5 mounting flange, ensuring compatibility with various machinery setups. The motor is equipped with an absolute encoder (EnDat 2048 S/R), providing precise position feedback and enabling high-resolution control.

Its axial NDE connector outlet direction facilitates straightforward integration into existing systems. The motor's design includes a feather key and a circular runout tolerance of N, ensuring reliable shaft coupling.

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Additionally, it has a vibration severity grade of N and is protected by a gamma sealing ring (IP65), offering robust protection against dust and water ingress. This motor is ideal for applications in automation, robotics, and other sectors where precise and reliable motion control is essential.

AUTOMATION TRADER

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