1FT6086-8AF71-1EG0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6086-8af71-1eg0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Continuous Torque	27 Nm
Rated Speed	3000 rpm
Mounting Flange	IM B5
Encoder Type	Absolute encoder (EnDat 2048 p/r)
Shaft End	Feather key with circular runout tolerance N
Degree of Protection	IP64

Description

The Siemens 1FT6086-8AF71-1EG0 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 27 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 p/r) for precise position feedback, and its shaft end includes a feather key with a circular runout tolerance of N, ensuring smooth operation.

The motor's vibration severity grade is N, indicating low vibration levels during operation. Additionally, it has a labyrinth seal (IP64) that provides protection against dust and water ingress, enhancing its durability in harsh conditions.

This motor is ideal for applications in automation systems, robotics, and other machinery requiring reliable and precise motion control.

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