1FT6108-8SC71-2AG0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6108-8sc71-2ag0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Continuous Torque	90 Nm
Rated Speed	2000 rpm
Cooling Method	Forced ventilation
Encoder Type	Incremental encoder (sin/cos 1 Vpp)
Ingress Protection Rating	IP64

Description

The Siemens 1FT6108-8SC71-2AG0 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precision motion control applications. This model delivers a continuous torque of 90 Nm and operates at a rated speed of 2000 rpm, making it suitable for demanding industrial environments.

It features forced ventilation (IM B5) with a transverse left connector outlet direction, ensuring efficient cooling and reliable performance. The motor is equipped with an incremental encoder (sin/cos 1 Vpp) with 2048 S/R, providing precise position feedback.

Its smooth shaft design, combined with a circular runout tolerance of N, ensures minimal vibration and enhanced operational stability. The motor's IP64-rated labyrinth seal offers robust protection against dust and moisture, extending its service life.

This servomotor is ideal for applications requiring high torque and speed stability, such as CNC machinery, robotics, and automated production lines.

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