1FT6105-8AF71-1EG0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6105-8af71-1eg0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous Servo Motor
Continuous Torque	50 Nm
Rated Speed	3000 rpm
Flange Mounting	IM B5
Encoder Type	Absolute EnDat 2048 S/R

Description

The Siemens 1FT6105-8AF71-1EG0 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 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 flange mounting, compatible with IM V1 and IM V3 configurations. The motor is equipped with an absolute EnDat 2048 S/R encoder, ensuring precise position feedback.

Its smooth shaft design offers a circular runout tolerance of N, and it includes a labyrinth seal providing an IP64 ingress protection rating, safeguarding against dust and water ingress. This motor is ideal for applications in automation systems, robotics, and other machinery requiring reliable and efficient motion control.

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