1FT6108-8AF71-4AG0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6108-8af71-4ag0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous Servomotor
Rated Torque	70 Nm
Maximum Speed	3000 rpm
Cooling Method	Natural Cooling
Mounting Flange	IM B5
Encoder Type	Incremental Encoder (sin/cos 1 Vss 2048 S/R)
Shaft Design	Feather Key, Circular Runout Tolerance N
Protection Class	IP64

Description

The Siemens 1FT6108-8AF71-4AG0 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precision motion control in industrial automation applications. This motor features a rated torque of 70 Nm and operates at a maximum speed of 3000 rpm, providing robust performance for demanding tasks.

It is naturally cooled and constructed with an IM B5 mounting flange, suitable for various installation orientations. The motor is equipped with an incremental encoder (sin/cos 1 Vss 2048 S/R) for precise position feedback, ensuring accurate motion control.

The shaft design includes a feather key and maintains a circular runout tolerance of N, facilitating smooth operation. Additionally, the motor is rated with vibration severity grade N and features a labyrinth seal (IP64), offering protection against dust and water ingress.

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These specifications make the Siemens 1FT6108-8AF71-4AG0 an ideal choice for applications requiring reliable and precise motion control.

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