1FT7086-1AF70-1MG1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft7086-1af70-1mg1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT7086-1AF70-1MG1
Product Type	Synchronous Servo Motor
Rated Torque	28 Nm
Rated Speed	3000 rpm
Degree of Protection	IP65
Cooling Type	Naturally Cooled
Vibration Severity	Grade A
Flange Type	Recessed Flange
Encoder Type	Absolute Encoder with 24-bit Single-Turn and 12-bit Multi-Turn Resolution
Interface	DRIVE-CLiQ

Description

The Siemens 1FT7086-1AF70-1MG1 is a high-performance synchronous servo motor from the SIMOTICS S-1FT7 series, engineered for precise motion control in industrial automation applications. This motor delivers a rated torque of 28 Nm at a rated speed of 3000 rpm, ensuring reliable and efficient operation.

It features a rotatable power connector for flexible installation and boasts a degree of protection IP65, safeguarding against dust and water ingress. The motor is naturally cooled, eliminating the

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need for additional cooling systems, and is designed with vibration severity grade A to minimize operational disturbances.

Its compact design, with a recessed flange, allows for space-saving installations. The 1FT7086-1AF70-1MG1 is equipped with an absolute encoder with a 24-bit single-turn resolution and a 12-bit multi-turn resolution, utilizing the DRIVE-CLiQ interface for seamless integration with Siemens drive systems.

This motor is ideal for applications requiring high precision and reliability, such as robotics, CNC machinery, and automated assembly lines.