1FT6086-1AH71-3EG1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6086-1ah71-3eg1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT6086-1AH71-3EG1
Product Type	Synchronous Servo Motor
Nominal Speed	4,500 RPM
Continuous Torque	27 Nm
Integrated Encoder	EnDat 2048
Cooling Type	Naturally Cooled
Protection Rating	IP65
Application Area	Packaging Machines, Material Handling Systems, Printing Presses

Description

The Siemens 1FT6086-1AH71-3EG1 is a high-performance synchronous servo motor from the SIMOTICS S series, designed for precision motion control applications. This three-phase motor operates at a nominal speed of 4,500 RPM and delivers a continuous torque of 27 Nm, making it suitable for demanding tasks requiring high torque and speed stability.

It features an integrated EnDat 2048 absolute encoder, ensuring precise position feedback and seamless integration with Siemens' SINAMICS drive systems. The motor is naturally cooled and has an IP65 protection rating, providing robust resistance against dust and water ingress, which is essential for industrial environments.

Its compact design allows for flexible installation in various machinery setups. The 1FT6086-1AH71-3EG1 is ideal for applications such as packaging machines, material handling systems,

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and printing presses, where reliability and performance are critical.

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