1FT6086-1AF71-4EH2

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6086-1af71-4eh2
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Continuous Torque	27 Nm
Maximum Speed	3000 rpm
Cooling Type	Natural
Protection Rating	IP65
Encoder Type	Absolute Encoder (EnDat 2048 S/R)
Mounting Type	IM B5 (IM V1, IM V3)

Description

The Siemens 1FT6086-1AF71-4EH2 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precision motion control applications. This model delivers a continuous torque of 27 Nm and operates at a maximum speed of 3000 rpm, making it suitable for tasks requiring consistent and reliable performance.

The motor is naturally cooled and features an IP65 protection rating, ensuring durability and resistance to dust and water ingress. It is equipped with an absolute encoder (EnDat 2048 S/R), providing precise position feedback for enhanced control accuracy.

The motor's construction includes an IM B5 flange mounting (IM V1, IM V3), facilitating easy integration into various machinery setups. This servomotor is ideal for applications in industrial automation, robotics, and other sectors where high torque and speed precision are essential.

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