AUTOMATION TRADER

1FK6061-7AH71-1AG0-P501PN0040M

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk6061-7ah71-1ag0-p501pn0040m
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FK6061-7AH71-1AG0 + P501PN0040M
Product Type	Synchronous Servomotor with Integrated Gearbox
Rated Speed	4500 RPM
Continuous Torque	4.3 Nm
Cooling Type	Natural Cooling
Encoder System	Incremental Encoder
Shaft End	Smooth, Tolerance N
Holding Brake	Yes
Degree of Protection	IP64

Description

The Siemens 1FK6061-7AH71-1AG0 + P501PN0040M is a high-performance synchronous servomotor designed for demanding industrial applications. Manufactured by Siemens, this motor is part of the SIMOTICS S series, known for its precision and reliability.

The motor operates at a rated speed of 4500 RPM, delivering a continuous torque of 4.3 Nm, making it suitable for applications requiring high dynamic performance. It features a natural cooling system, ensuring efficient heat dissipation during operation.

The motor is equipped with an incremental encoder system, providing precise position feedback essential for motion control tasks. The shaft end is smooth, with a tolerance of N, and includes a

holding brake, enhancing safety during operation.

With a degree of protection rated at IP64, the motor is well-suited for environments where dust and water ingress are concerns. The P501PN0040M gearbox, integrated with the motor, offers a reduction ratio that optimizes torque and speed characteristics, further enhancing the system's performance.

This combination of motor and gearbox is ideal for applications in robotics, CNC machinery, and other automation systems where precision and reliability are paramount.