AUTOMATION TRADER

1FT6044-1AF71-3EG1-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6044-1af71-3eg1-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous Servo Motor
Rated Torque	5.0 Nm
Rated Speed	3000 rpm
Cooling Method	Natural Air Cooling
Protection Class	IP65
Encoder Type	Absolute Encoder (EnDat 2048 S/R)
Connector Outlet Direction	Axial Non-Drive End (NDE)
Holding Brake	Without

Description

The Siemens 1FT6044-1AF71-3EG1-Z is a high-performance synchronous servo motor from the SIMOTICS S series, designed for precision motion control applications. This motor features a rated torque of 5.0 Nm, a rated speed of 3000 rpm, and operates with natural air cooling, ensuring efficient thermal management.

It boasts an IP65 protection class, providing robust resistance against dust and water ingress, making it suitable for demanding industrial environments. The motor is equipped with an absolute encoder (EnDat 2048 S/R), offering precise position feedback for accurate motion control.

Its axial non-drive end (NDE) connector outlet direction facilitates straightforward integration into various systems. Notably, this model does not include a holding brake, aligning with applications where dynamic braking is not required.

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The 1FT6044-1AF71-3EG1-Z is ideal for applications requiring high torque and speed precision, such as CNC machinery, robotics, and automated assembly lines.

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