AUTOMATION TRADER

1FT6084-8AF71-4AG2

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6084-8af71-4ag2
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Continuous Torque	20 Nm
Maximum Speed	3000 RPM
Encoder Type	Absolute Encoder (EnDat 2048 S/R)
Mounting Flange	IM B5
Protection Class	IP67

Description

The Siemens 1FT6084-8AF71-4AG2 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for demanding industrial applications requiring precise motion control. This model delivers a continuous torque of 20 Nm and operates at a maximum speed of 3000 rpm, making it suitable for tasks that demand both power and speed.

The motor features natural air cooling, ensuring efficient thermal management without the need for additional cooling systems. It is equipped with an absolute encoder (EnDat 2048 S/R), providing precise position feedback and enabling high-resolution control.

The motor's design includes a smooth shaft with a circular runout tolerance grade N, ensuring minimal vibration and noise during operation. Additionally, it has a radial shaft seal rated at IP67, offering protection against dust and water ingress, which is essential for maintaining performance in harsh environments.

The 1FT6084-8AF71-4AG2 is naturally cooled and features an IM B5 mounting flange, compatible with various industrial setups. Its robust construction and advanced features make it a reliable choice for applications in automation, robotics, and other sectors where precision and durability are paramount.

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