1FT6062-6AC71-4AG2-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6062-6ac71-4ag2-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT6062-6AC71-4AG2-Z
Product Type	Synchronous Servo Motor
Rated Torque	6.0 Nm
Rated Speed	2000 rpm
Cooling Method	Naturally Cooled
Encoder Type	Absolute Encoder (EnDat 2048 S/R)
Shaft Type	Smooth Shaft
Frame Type	IM B5 (IM V1, IM V3)
Connector Outlet Direction	Axial NDE
Shaft Seal	Radial Shaft Seal (IP67)

Description

The Siemens 1FT6062-6AC71-4AG2-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 6.0 Nm and operates at a rated speed of 2000 rpm, making it suitable for tasks requiring consistent and reliable performance.

It is naturally cooled, ensuring efficient thermal management during operation. The motor is equipped with an absolute encoder system (EnDat 2048 S/R), providing precise position feedback essential for high-accuracy applications.

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Its construction includes a smooth shaft with a circular runout tolerance of N, and it is rated with vibration severity grade N, indicating low vibration levels during operation. The motor is housed in an IM B5 (IM V1, IM V3) frame, suitable for various mounting configurations.

The connector outlet direction is axial NDE, facilitating straightforward integration into existing systems. Additionally, the motor is equipped with a radial shaft seal (IP67), offering protection against dust and water ingress, which is crucial for maintaining performance in challenging environments.

This motor is ideal for applications in industrial automation where precision, reliability, and durability are paramount.