1FT6064-6AC71-3EA2

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6064-6ac71-3ea2
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT6064-6AC71-3EA2
Product Type	Synchronous Servomotor
Rated Torque	9.5 Nm
Rated Speed	2000 rpm
Cooling Method	Natural Cooling
Encoder Type	Absolute Encoder (EnDat 2048 S/R)
Mounting Standard	IM B5 (IM V1, IM V3)
Connector Outlet Direction	Axial NDE
Shaft End	Feather Key with Circular Runout Tolerance N
Shaft Seal	Radial Shaft Seal (IP67)

Description

The Siemens 1FT6064-6AC71-3EA2 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precision motion control in industrial automation applications. This model features a rated torque of 9.5 Nm, a rated speed of 2000 rpm, and operates with natural cooling, ensuring efficient performance in demanding environments.

The motor is equipped with an absolute encoder (EnDat 2048 S/R), providing precise position feedback and enabling high-resolution control. Its construction adheres to the IM B5 (IM V1, IM V3) standard, suitable for various mounting configurations.

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The axial NDE (Non-Drive End) connector outlet direction facilitates straightforward integration into existing systems. The motor's shaft end includes a feather key with a circular runout tolerance of N, ensuring secure coupling and minimal vibration.

Additionally, it is rated with vibration severity grade N and features a radial shaft seal (IP67), offering protection against dust and water ingress. These attributes make the 1FT6064-6AC71-3EA2 motor an ideal choice for applications requiring high precision, reliability, and durability in motion control tasks.

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