1FT7062-5AK70-1NH0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft7062-5ak70-1nh0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT7062-5AK70-1NH0
Product Type	Synchronous Motor
Series	SIMOTICS S 1FT7
Rated Torque	6 Nm
Rated Speed	6000 rpm
Rated Power	2.13 kW
Cooling Type	Natural Cooling
Power Connector	Rotatable
Encoder Type	Absolute Value Encoder
Encoder Resolution	24-bit Single-Turn
Interface	DRIVE-CLIQ

Description

The Siemens 1FT7062-5AK70-1NH0 is a synchronous motor from the SIMOTICS S 1FT7 series, designed for high-performance applications requiring precise motion control. This motor features a rated torque of 6 Nm at 100,000 rpm, a rated speed of 6,000 rpm, and a rated power output of 2.13 kW.

It operates with natural cooling, eliminating the need for additional cooling systems. The motor is equipped with a rotatable power connector and an absolute value encoder with a 24-bit single-turn resolution and a DRIVE-CLIQ interface, ensuring accurate position feedback.

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Its plain shaft design includes a holding brake, providing enhanced safety and control during operation. The motor's vibration severity grade is A, and it has a degree of protection rated at IP 65, offering robust protection against dust and water ingress.

These specifications make the 1FT7062-5AK70-1NH0 motor suitable for demanding industrial applications requiring high precision and reliability.

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