1FT7064-5WK71-1NH1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft7064-5wk71-1nh1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous
Rated Torque	16 Nm
Rated Speed	6000 rpm
Rated Power Output	8.90 kW
Flange Type	Conventional
Encoder Type	Incremental
Encoder Signal	1 Vpp Sine/Cosine
Encoder Resolution	2048 pulses per revolution
Shaft Type	Plain
Holding Brake	Yes
Degree of Protection	IP65

Description

The Siemens 1FT7064-5WK71-1NH1 is a high-performance SIMOTICS S synchronous motor from the 1FT7 series, designed for demanding industrial applications requiring precise motion control. This water-cooled motor delivers a rated torque of 16 Nm at 100 K, with a maximum speed of 6,000 rpm and a rated power output of 8.90 kW.

It features a conventional flange compatible with 1FT6/1FK7 series, a rotatable power connector, and an incremental encoder with a 1 Vpp sine/cosine signal and 2,048 pulses per revolution, ensuring accurate position feedback.

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The motor is equipped with a rotatable plain shaft and a holding brake, providing enhanced operational flexibility and safety. With a vibration severity grade A and an IP65 degree of protection, it is built to withstand harsh industrial environments, offering reliable performance and longevity.

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