AUTOMATION TRADER

1FT6068-5WF71-1NH1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6068-5wf71-1nh1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Rated Torque	30 Nm
Nominal Speed	3000 rpm
Continuous Power Output	9.30 kW
Cooling Type	Water-cooled
Temperature Sensor	KTY
Encoder Type	Incremental encoder with SIN/COS 1VSS 2048 S/R (ENCODER I-2048)
Frame Size	IMB 5 (IM V1, IM V3)
Flange Type	Conventional flange (1FT6/1FK7 compatible)
Shaft Type	Plain shaft with holding brake
Degree of Protection	IP 65

Description

The Siemens 1FT7068-5WF71-1NH1 is a high-performance synchronous motor from the SIMOTICS S series, designed for demanding industrial applications requiring precise motion control. This motor delivers a rated torque of 30 Nm (100 K) and operates at a nominal speed of 3000 rpm, providing a continuous power output of 9.30 kW.

It features water cooling for efficient thermal management, ensuring reliable performance in continuous operation. The motor is equipped with a KTY temperature sensor for accurate thermal monitoring, enhancing operational safety.

Its incremental encoder with SIN/COS 1VSS 2048 S/R (ENCODER I-2048) ensures precise position feedback, crucial for applications requiring high accuracy. The power and encoder connectors are rotatable, offering flexible installation options to suit various system configurations.

The motor's frame size is IMB 5 (IM V1, IM V3), compatible with conventional flanges (1FT6/1FK7), facilitating easy integration into existing setups. A plain shaft with a holding brake adds to its versatility, providing secure operation in dynamic environments.

With an accuracy tolerance of N, vibration severity grade A, and an IP 65 degree of protection, this motor is built to withstand harsh industrial conditions, ensuring longevity and dependable performance.