1FT7084-5AC71-1CH1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft7084-5ac71-1ch1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Rated Torque	20 Nm
Rated Speed	2000 rpm
Rated Power	3.54 kW
Supply Voltage	3-phase AC V
Cooling Type	Natural –

Description

The Siemens 1FT7084-5AC71-1CH1 is a high-performance synchronous motor from the SIMOTICS S-1FT7 series, designed for demanding industrial applications requiring precise motion control. This motor features a rated torque of 20 Nm at 100 K, a rated speed of 2,000 rpm, and a rated power output of 3.54 kW.

It operates with a three-phase AC supply and is naturally cooled, ensuring efficient performance in various environments. The motor is equipped with a rotatable power connector and an absolute encoder with a 24-bit resolution plus 12-bit multiturn, utilizing the DRIVE-CLiQ interface for seamless integration with Siemens drive systems.

Its robust construction includes a plain shaft with a holding brake, providing enhanced safety and reliability. With a vibration severity grade of A and an IP 65 degree of protection, the 1FT7084-5AC71-1CH1 is built to withstand harsh industrial conditions, making it an ideal choice for applications requiring high precision and durability.

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