# 1FT7044-5AF71-1CB2

Industrial automation components

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| **Manufacturer** | Siemens |
| **Catalog number** | 1ft7044-5af71-1cb2 |
| **Category** | Industrial automation components |
| **Product type** | Industrial automation components |
| **Status** | Active product |

## Technical specification

| | |
|---|---|
| **Rated Speed** | 3000 rpm |
| **Rated Torque** | 4.3 Nm |
| **Rated Current** | 2.6 A |
| **Maximum Permissible Speed** | 9000 rpm |
| **Efficiency** | 92.0 % |
| **Degree of Protection** | IP64 |
| **Temperature Sensor** | Pt1000 |
| **Compatibility** | 1FT6, 1FK7 |
| **Shaft Design** | Plain shaft with fitted key and keyway |

## Description

The Siemens 1FT7044-5AF71-1CB2 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 speed of 3,000 rpm and a rated torque of 4.3 Nm at 100% rated speed, ensuring efficient operation in various automation tasks.

It operates with a rated current of 2.6 A and offers a maximum permissible speed of 9,000 rpm, providing flexibility for different operational requirements. The motor is equipped with a compact design, featuring a shaft height of 48 mm and natural cooling, making it suitable for installations with space constraints.

It boasts an efficiency of 92.0%, contributing to energy savings in continuous operations. The motor is protected with an IP64 degree of protection, ensuring durability and reliability in harsh

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industrial environments.

Additionally, it includes a Pt1000 temperature sensor for temperature monitoring, enhancing operational safety. The 1FT7044-5AF71-1CB2 is compatible with the 1FT6 and 1FK7 series, offering versatility in system integration.

Its plain shaft design and fitted key and keyway facilitate straightforward mechanical integration into existing systems. This motor is ideal for applications requiring high precision and reliability, such as robotics, CNC machinery, and automated assembly lines.