# 1FT6034-4AK71-4AE1

Industrial automation components

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| **Manufacturer** | Siemens |
| **Catalog number** | 1ft6034-4ak71-4ae1 |
| **Category** | Industrial automation components |
| **Product type** | Industrial automation components |
| **Status** | Active product |

## Technical specification

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|---|---|
| **Voltage** | 600 V |
| **Nominal Speed** | 6,000 rpm |
| **Rated Torque** | 2.0 Nm |
| **Protection Class** | IP65 |
| **Encoder Resolution** | 2048 S/R |
| **Shaft Type** | Smooth shaft with circular runout tolerance N |

## Description

The Siemens 1FT6034-4AK71-4AE1 is a high-performance synchronous servomotor from the 1FT6 series, designed for precision motion control applications. Operating at a nominal speed of 6,000 rpm, it delivers a rated torque of 2.0 Nm and a peak torque of 7.7 Nm, ensuring reliable performance in demanding industrial environments.

The motor features a 600 V AC power supply and is naturally cooled, eliminating the need for external cooling systems. Its robust construction includes an IP65 protection class, making it suitable for harsh conditions.

The motor is equipped with an incremental encoder with a 2048 S/R resolution, providing precise feedback for motion control systems. Additionally, it has a smooth shaft with a circular runout tolerance of N, and it does not include a holding brake.

This model is part of Siemens' 1FT6 series, known for its high efficiency and durability in industrial automation applications.

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