# 1FT6034-4AK71-3AA2

Industrial automation components

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| **Manufacturer** | Siemens |
| **Catalog number** | 1ft6034-4ak71-3aa2 |
| **Category** | Industrial automation components |
| **Product type** | Industrial automation components |
| **Status** | Active product |

## Technical specification

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|---|---|
| **Motor Type** | Synchronous Servomotor |
| **Rated Speed** | 6000 rpm |
| **Rated Torque** | 2.0 Nm |
| **Encoder Type** | Incremental Encoder |
| **Shaft Design** | Smooth Shaft |
| **Protection Class** | IP67 |

## Description

The Siemens 1FT6034-4AK71-3AA2 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precision motion control applications. Operating at a rated speed of 6000 rpm with a rated torque of 2.0 Nm, it delivers reliable performance for demanding industrial tasks.

The motor features natural cooling (IM B5) and is equipped with an incremental encoder with a sin/cos 1 Vss 2048 S/R interface, ensuring accurate position feedback. Its smooth shaft design minimizes radial eccentricity, and it includes a radial shaft seal (IP67) for enhanced durability in harsh environments.

This model is ideal for applications requiring high-speed operation and precise control, such as robotics, CNC machinery, and automated production lines.

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