

## 1FT6034-4AK71-3AH0

Industrial automation components

<b>Manufacturer</b>	Siemens
<b>Catalog number</b>	1ft6034-4ak71-3ah0
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Motor Type</b>	Synchronous AC Servo Motor
<b>Rated Torque</b>	2.0 Nm
<b>Rated Speed</b>	6000 RPM
<b>Output Power</b>	0.88 kW
<b>Mounting Flange</b>	IM B5 (IM V1, IM V3)

### Description

The Siemens 1FT6034-4AK71-3AH0 is a high-performance synchronous AC servo motor from the SIMOTICS S series, designed for precision motion control applications. This motor features a rated torque of 2.0 Nm and operates at a rated speed of 6000 rpm, delivering a continuous output power of 0.88 kW. It utilizes natural air cooling and is constructed with an IM B5 (IM V1, IM V3) mounting flange, suitable for various industrial environments. The motor is equipped with a sin/cos incremental encoder with a 1 Vpp signal and a 2048 S/R resolution, ensuring accurate position feedback. Its smooth shaft design with a circular runout tolerance of N and a holding brake provide enhanced operational stability. The motor's vibration severity grade is N, and it features a labyrinth seal with an IP64 protection rating, offering robust protection against dust and water ingress. These specifications make the 1FT6034-4AK71-3AH0 ideal for applications requiring high precision and reliability in motion control systems.