# 1FK6101-8AF71-1TH0

Industrial automation components

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|---|---|
| **Manufacturer** | Siemens |
| **Catalog number** | 1fk6101-8af71-1th0 |
| **Category** | Industrial automation components |
| **Product type** | Industrial automation components |
| **Status** | Active product |

## Technical specification

| | |
|---|---|
| **Rated Torque** | 27 Nm |
| **Rated Speed** | 3000 RPM |
| **Maximum Speed** | 4300 RPM |
| **Mounting Type** | IM B5 (V1, V3) |
| **Connector Rotation** | 270 degrees |
| **Resolver Type** | 2-pole |
| **Shaft Type** | Plain |
| **Holding Brake** | Yes |
| **Protection Class** | IP64 |

## Description

The Siemens 1FK6101-8AF71-1TH0 is a high-performance synchronous servo motor from Siemens' 1FK6 series, engineered for precision motion control in industrial automation applications. This 8-pole motor delivers a rated torque of 27 Nm and operates at a rated speed of 3,000 RPM, with a maximum permissible speed of 4,300 RPM.

Designed for natural air cooling, it features an IM B5 (V1, V3) mounting type, ensuring versatile installation options. The motor is equipped with power and signal connectors that can be rotated by 270 degrees, facilitating flexible wiring configurations.

It incorporates a 2-pole resolver (P=1) for accurate position feedback and has a plain shaft with tolerance N, suitable for various mechanical interfaces. Additionally, the motor includes a holding brake, enhancing safety and control during operation.

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With a degree of protection rated at IP64, the 1FK6101-8AF71-1TH0 is built to withstand challenging industrial environments, offering durability and reliability for demanding applications.

AUTOMATION TRADER

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