# 1FT6044-4AF71-4SE0

Industrial automation components

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| **Manufacturer** | Siemens |
| **Catalog number** | 1ft6044-4af71-4se0 |
| **Category** | Industrial automation components |
| **Product type** | Industrial automation components |
| **Status** | Active product |

## Technical specification

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|---|---|
| **Motor Type** | Synchronous AC Servo Motor |
| **Rated Torque** | 5.0 Nm |
| **Rated Speed** | 3000 rpm |
| **Cooling Method** | Natural Air Cooling |
| **Encoder Type** | Absolute Encoder (EnDat 2048 S/R) |
| **Construction Type** | IM B5 (IM V1, IM V3) |
| **Protection Class** | IP65 |

## Description

The Siemens 1FT6044-4AF71-4SE0 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 5.0 Nm, a rated speed of 3000 rpm, and operates with natural air cooling.

It is equipped with an absolute encoder (EnDat 2048 S/R) for precise position feedback and has a vibration severity grade of N, ensuring smooth operation. The motor's construction is IM B5 (IM V1, IM V3), suitable for various mounting configurations.

With a protection class of IP65, it offers enhanced durability against dust and water ingress, making it ideal for demanding industrial environments.

**Automation Trader**
960 Capability Green
Luton, Bedfordshire LU1 3PE
VAT ID: PL6463009354
REGON: 527345886
DUNS: 427734105
BDO: 000726360

**Phone**
+44 7418 359 399

**Email**
info@automationtrader.com

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