# 1FT6082-8AF71-3AA2

Industrial automation components

Add to quote

Ask about this product




| | |
|---|---|
| **Manufacturer** | Siemens |
| **Catalog number** | 1ft6082-8af71-3aa2 |
| **Category** | Industrial automation components |
| **Product type** | Industrial automation components |
| **Status** | Active product |

## Technical specification

| | |
|---|---|
| **Brand** | Siemens |
| **Part Number** | 1FT6082-8AF71-3AA2 |
| **Product Type** | Synchronous Servomotor |
| **Nominal Torque** | 13 Nm |
| **Nominal Speed** | 3000 rpm |
| **Cooling Type** | Naturally Cooled |
| **Encoder Type** | Incremental Encoder |
| **Encoder Resolution** | 2048 S/R |
| **Connector Outlet Direction** | Axial NDE |
| **Mounting Type** | IM B5 (IM V1, IM V3) |
| **Shaft Design** | Feather Key |
| **Shaft Seal** | Radial Shaft Seal (IP67) |

## Description

The Siemens 1FT6082-8AF71-3AA2 is a SIMOTICS S synchronous servomotor from the 1FT6 series, designed for precise motion control applications. This model delivers a nominal torque of 13 Nm and operates at a nominal speed of 3000 rpm, making it suitable for high-performance tasks requiring consistent and reliable operation.

The motor is naturally cooled, eliminating the need for additional cooling systems, and features an incremental encoder with a sin/cos 1 Vss signal and 2048 signals per revolution, ensuring accurate

**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

Generated on demand. The PDF file is not stored on the server.

position feedback.

Its axial connector outlet direction facilitates straightforward integration into various systems. The motor's design includes a feather key and a circular runout tolerance of N, ensuring secure mounting and minimal vibration during operation.

Additionally, it is equipped with a radial shaft seal rated at IP67, providing protection against dust and water ingress, thereby enhancing its durability in demanding environments. This servomotor is ideal for applications in industrial automation where precision, reliability, and robustness are paramount.