# 1FT6084-8AF71-3TG0-SP-140S-MF1-4-1I1-2S

Industrial automation components

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| **Manufacturer** | Siemens |
| **Catalog number** | 1ft6084-8af71-3tg0-sp-140s-mf1-4-1i1-2s |
| **Category** | Industrial automation components |
| **Product type** | Industrial automation components |
| **Status** | Active product |

## Technical specification

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|---|---|
| **Motor Type** | Synchronous Servomotor |
| **Continuous Torque** | 20 Nm |
| **Maximum Speed** | 3000 rpm |
| **Cooling Type** | Natural Cooling |
| **Connector Outlet Direction** | Axial |
| **Resolver Type** | 2-pole Resolver (P=1) |
| **Holding Brake** | Included |
| **Labyrinth Seal Rating** | IP64 |

## Description

The Siemens 1FT6084-8AF71-3TG0 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precision motion control in industrial automation applications. This model delivers a continuous torque of 20 Nm and operates at a maximum speed of 3000 rpm, ensuring efficient and reliable performance.

It features natural cooling and is equipped with an axial connector outlet direction for both power and signal connections. The motor utilizes a 2-pole resolver (P=1) for precise position feedback and has a smooth shaft with a circular runout tolerance of N.

Additionally, it includes a holding brake and a labyrinth seal with an IP64 rating, providing enhanced protection against environmental factors. The motor is naturally cooled and has a vibration severity grade of N, making it suitable for various industrial environments.

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