

1FT6086-1AF71-1EG1

Industrial automation components

Manufacturer	Siemens
Catalog number	1ft6086-1af71-1eg1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	25.40 kgs
Current	16.4 A
Torque	27 Nm
Speed (RPM)	3000 RPM
Temperature	100
Product Type	Motor

Description

The Siemens 1FT6086-1AF71-1EG1 is a high-performance synchronous servo motor designed for precision applications in industrial automation. Operating at a rated speed of 3000 RPM, it delivers a continuous torque of 27 Nm, making it suitable for tasks requiring high dynamic performance and accuracy. The motor features natural air cooling, ensuring efficient heat dissipation during operation. With an IP65 protection rating, it offers robust resistance against dust and water ingress, enhancing its durability in demanding environments. The motor is equipped with an absolute-value encoder (EnDat 2048 S/R), providing precise position feedback for accurate control. Its standard construction type is IM B5, with the power and signal connectors oriented transversely to the right, facilitating flexible installation. This model is ideal for applications in automotive, aerospace, power generation, and electronics sectors, where reliability and precision are paramount.