1FT6034-1AK71-3EA1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6034-1ak71-3ea1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Manufacturer	Siemens
Part Number	1FT6034-1AK71-3EA1
Product Type	Synchronous Servo Motor
Rated Voltage	300 V
Rated Torque	2.0 Nm
Rated Speed	6000 rpm
Maximum Speed	9300 rpm
Cooling Method	Natural Air Cooling
Protection Rating	IP65
Encoder Type	Absolute EnDat 2048 S/R
Connector Outlet Direction	Axial Outlet Direction at Non-Drive End (NDE)
Holding Brake	Integrated Holding Brake

Description

The Siemens 1FT6034-1AK71-3EA1 is a synchronous servo motor from the SIMOTICS S series, designed for precise motion control applications. Operating at a rated voltage of 300 V, it delivers a rated torque of 2.0 Nm and achieves a rated speed of 6000 rpm, with a maximum speed of 9300 rpm under no-load conditions.

The motor features natural air cooling and is housed in an IP65-rated enclosure, ensuring protection against dust and water ingress. It is equipped with an absolute EnDat 2048 S/R encoder, providing

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high-resolution feedback for accurate position and speed control.

The power and signal connectors are configured with an axial outlet direction at the non-drive end (NDE), and the motor includes a holding brake for enhanced safety and position holding. This motor is suitable for applications requiring reliable and precise motion control, such as packaging machines, material handling systems, and robotics.