AUTOMATION TRADER

1FT6-082-8AH71-1EH0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6-082-8ah71-1eh0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT6 082-8AH71-1EH0
Motor Type	Synchronous Servo Motor
Rated Torque	13 Nm
Rated Speed	4500 rpm
Cooling Method	Natural Cooling
Flange Type	IM B5
Encoder Type	Absolute Encoder (EnDat 2048 S/R)
Shaft Design	Smooth Shaft with Circular Runout Tolerance N
Holding Brake	Included
Protection Rating	IP64

Description

The Siemens 1FT6 082-8AH71-1EH0 is a high-performance synchronous servo motor designed for precision applications in industrial automation. Part of Siemens' 1FT6 series, this motor offers a rated torque of 13 Nm and operates at a maximum speed of 4500 rpm, making it suitable for tasks requiring high dynamic performance and precision.

It features natural cooling and is constructed with an IM B5 flange, ensuring robust integration into various systems. The motor is equipped with an absolute encoder (EnDat 2048 S/R), providing precise position feedback and reducing the need for external sensors.

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Its smooth shaft design with circular runout tolerance N and inclusion of a holding brake enhance operational stability and safety. With a vibration severity grade N and an IP64 protection rating, the motor is built to withstand challenging industrial environments, offering durability and reliability.

This motor is ideal for applications in packaging machines, material handling, and other automation systems where precision and reliability are paramount.