1FT6084-1AH71-3AH1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6084-1ah71-3ah1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous AC Servo Motor
Continuous Torque	20 Nm
Rated Speed	4500 rpm
Cooling Method	Natural Cooling (IM B5)
Degree of Protection	IP65

Description

The Siemens 1FT6084-1AH71-3AH1 is a high-performance synchronous AC servo motor from the SIMOTICS S series, designed for precision applications requiring dynamic response and flexibility. This motor delivers a continuous torque of 20 Nm and operates at a rated speed of 4500 rpm, making it suitable for high-speed machining and material handling tasks.

It features natural cooling (IM B5) and boasts a high degree of protection with an IP65 rating, ensuring durability in demanding environments. The motor is equipped with an incremental sin/cos encoder system (1 Vpp) with 2048 S/R, providing precise position feedback for accurate motion control.

Additionally, it includes a holding brake for enhanced safety during operation. This motor is ideal for integration into CNC machines, robotics, and other automation systems requiring reliable and precise motion control.

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