AUTOMATION TRADER

1FT6084-8AH71-4UG0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6084-8ah71-4ug0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous AC Servomotor
Continuous Torque	20 Nm
Rated Speed	4500 rpm
Cooling Method	Natural Air Cooling
Mounting Flange	IM B5
Encoder Type	Sin/Cos Incremental Encoder
Encoder Output	1 Vpp
Encoder Resolution	2048 pulses per revolution
Holding Brake	Yes
Protection Rating	IP64

Description

The Siemens 1FT6084-8AH71-4UG0 is a high-performance synchronous AC servomotor from the SIMOTICS S series, designed for precision motion control in industrial automation applications. This motor delivers a continuous torque of 20 Nm and operates at a rated speed of 4,500 rpm, ensuring efficient and reliable performance in demanding environments.

It features natural air cooling and is constructed with an IM B5 mounting flange, suitable for various installation configurations. The motor is equipped with a sin/cos incremental encoder providing 1 Vpp output and 2048 pulses per revolution, facilitating precise position feedback.

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Additionally, it includes a holding brake and has a vibration severity grade of N, indicating low vibration levels during operation. With an IP64 protection rating, the motor is safeguarded against dust and splashing water, enhancing its durability in industrial settings.

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