1FT6084-1AH71-1AH1

Industrial automation components

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

Technical specification

Motor Type	Synchronous Servomotor
Rated Torque	20 Nm
Maximum Speed	4500 rpm
Cooling Method	Natural Air Cooling
Enclosure Rating	IP65
Encoder Type	Incremental Encoder
Encoder Signal	sin/cos 1 Vpp
Pulses per Revolution	2048 pulses/rev
Construction Type	IM B5
Holding Brake	With

Description

The Siemens 1FT6084-1AH71-1AH1 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precision motion control in industrial automation applications. This model features a rated torque of 20 Nm and operates at a maximum speed of 4,500 rpm, providing robust performance for demanding tasks.

It utilizes natural air cooling and is housed in an IP65-rated enclosure, ensuring durability and protection against dust and water ingress. The motor is equipped with an incremental encoder system with a sin/cos 1 Vpp signal and 2048 pulses per revolution, facilitating accurate position feedback.

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The standard construction type is IM B5, suitable for various mounting configurations. Additionally, the motor includes a holding brake, enhancing safety and stability during operation. This servomotor is ideal for applications requiring precise control and reliable performance in challenging environments.

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