1FT6-084-1AF71-4FH1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6-084-1af71-4fh1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT6084-1AF71-4FH1
Motor Type	Synchronous Servomotor
Rated Torque	20 Nm
Rated Speed	3000 rpm
Cooling Type	Natural Air Cooling
Enclosure Rating	IP65
Mounting Configuration	IM B5 (IM V1, IM V3)
Encoder Type	Absolute Encoder 2048 S/R (Encoder A-2048) with Drive-CLiQ Interface
Connector Outlet Direction	Axial DE
Holding Brake	Yes

Description

The Siemens 1FT6084-1AF71-4FH1 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precision motion control applications. This motor delivers a rated torque of 20 Nm and operates at a rated speed of 3000 rpm, making it suitable for demanding industrial tasks requiring consistent and reliable performance.

It features natural air cooling, ensuring efficient thermal management during operation. The motor is housed in an IP65-rated enclosure, providing robust protection against dust and water ingress, which

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is essential for maintaining performance in harsh environments.

The IM B5 (IM V1, IM V3) mounting configuration allows for versatile installation options, accommodating various machinery setups. Equipped with an absolute encoder with 2048 S/R (encoder A-2048) and a Drive-CLiQ interface, the motor ensures precise position feedback and seamless integration with Siemens drive systems.

The axial DE connector outlet direction facilitates straightforward wiring and maintenance, while the inclusion of a holding brake enhances safety by preventing unintended movement when the motor is not energized.

This combination of features makes the 1FT6084-1AF71-4FH1 an excellent choice for applications requiring high torque, speed, and reliability.