AUTOMATION TRADER

1FT6105-1AC71-3FH1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6105-1ac71-3fh1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Component Specifications	rpm3000
Continuous Torque	50 Nm
Rated Speed	2000 rpm
Cooling Method	Natural Air Cooling
Stopień ochrony	IP65
Mounting Configuration	IM B5 (IM V1, IM V3)
Encoder Type	Absolute Encoder (EnDat 2048 S/R)
Connector Outlet Direction	Axial Non-Drive End (NDE)
Holding Brake	Yes

Description

The Siemens 1FT6105-1AC71-3FH1 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precision motion control applications. This motor delivers a continuous torque of 50 Nm and operates at a rated speed of 2000 rpm, making it suitable for 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 protection against dust and water ingress, which is essential for maintaining optimal performance in industrial environments.

The IM B5 (IM V1, IM V3) mounting configuration offers flexibility in installation, accommodating various setup requirements. Equipped with an absolute encoder (EnDat 2048 S/R), the motor ensures precise position feedback, enhancing the accuracy and reliability of motion control systems.

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The axial non-drive end (NDE) connector outlet direction facilitates straightforward integration into existing systems. Additionally, the motor includes a holding brake, providing safety and stability during operation and maintenance.

This servomotor is ideal for applications in automation, robotics, and other fields where precise and reliable motion control is critical.

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