1FT6105-1AC71-4FG1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6105-1ac71-4fg1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT6105-1AC71-4FG1
Product Type	Synchronous Servomotor
Rated Speed	2000 rpm
Continuous Torque	50 Nm
Cooling Method	Natural Cooling
Protection Rating	IP65
Encoder Type	Absolute Encoder with EnDat 2048 S/R Interface
Mounting Type	Flange Mounting (IM B5)

Description

The Siemens 1FT6105-1AC71-4FG1 is a high-performance synchronous servomotor designed for precision motion control applications. Manufactured by Siemens, this model is part of the SIMOTICS S series, known for its reliability and efficiency in industrial automation.

The motor operates at a rated speed of 2000 rpm, delivering a continuous torque of 50 Nm, making it suitable for tasks requiring consistent and precise rotational movement. It features natural cooling and an IP65 protection rating, ensuring durability and protection against dust and water ingress.

The motor is equipped with an absolute encoder with EnDat 2048 S/R interface, providing precise position feedback essential for closed-loop control systems. The standard flange mounting (IM B5) facilitates easy integration into various machinery setups.

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This servomotor is ideal for applications in robotics, CNC machinery, and other automated systems where high torque and precise speed control are critical.

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