1FT6105-1AC71-1FT6105-1AC71-1EG1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6105-1ac71-1ft6105-1ac71-1eg1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous Servomotor
Rated Torque	50 Nm
Maximum Speed	2000 rpm
Cooling Method	Natural Cooling
Protection Rating	IP65
Encoder Type	Absolute Encoder
Encoder Resolution	2048 S/R
Connector Orientation	Transverse Right

Description

The Siemens 1FT6105-1AC71-1EG1 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precision motion control applications. This model features a rated torque of 50 Nm and operates at a maximum speed of 2000 rpm, making it suitable for demanding industrial environments.

The motor is naturally cooled and has an IP65 protection rating, ensuring durability and reliability in various settings. It utilizes an absolute encoder with EnDat 2048 S/R (encoder A-2048) for precise position feedback.

The power and signal connectors are configured with a transverse right outlet direction, and the motor is designed without a holding brake. This servomotor is ideal for applications requiring high torque and speed precision, such as robotics, CNC machinery, and automated production lines.

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