1FT7086-1AF71-1CG1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft7086-1af71-1cg1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT7086-1AF71-1CG1
Product Type	Synchronous Servo Motor
Rated Speed	3000 rpm
Rated Torque	18.0 Nm
Rated Current	11.0 A
Cooling Type	Natural Cooling
Encoder Type	Absolute Encoder 24-bit + 12-bit Multiturn
Protection Class	IP65
Design	Compact Core Type
Shaft Type	Plain Shaft
Waga netto	27.5 kg

Description

The Siemens 1FT7086-1AF71-1CG1 is a high-performance synchronous servo motor from the SIMOTICS S series, designed for precision motion control applications. This motor features a rated speed of 3,000 rpm and a rated torque of 18.0 Nm, making it suitable for demanding industrial tasks requiring consistent and reliable performance.

It operates with a rated current of 11.0 A and is naturally cooled, ensuring efficient thermal management during operation. The motor is equipped with an absolute encoder with 24-bit resolution

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and a 12-bit multiturn encoder, providing precise position feedback for enhanced control.

Its degree of protection is IP65, offering robust resistance against dust and water ingress, which is essential for operations in harsh environments. The motor's compact core type design and plain shaft configuration facilitate easy integration into various machinery setups.

With a net weight of approximately 27.5 kg, it balances durability with manageable handling for installation and maintenance. This motor is ideal for applications in automation systems, robotics, and other sectors where high precision and reliability are paramount.