1FT7036-5AK71-1FA0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft7036-5ak71-1fa0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT7036-5AK71-1FA0
Product Type	Synchronous Servomotor
Rated Speed	6000 rpm
Rated Torque	1.7 Nm
Rated Current	2.4 A
Static Torque (100 K)	3.0 Nm
Efficiency	90 %
Cooling Type	Natural Cooling
Waga netto	5.0 kg
Encoder Type	Absolute Encoder AM22DQ
Encoder Resolution	22-bit

Description

The Siemens 1FT7036-5AK71-1FA0 is a high-performance synchronous servomotor from the SIMOTICS S-1FT7 series, designed for precision motion control applications. This motor features a rated speed of 6,000 rpm and a rated torque of 1.7 Nm, making it suitable for tasks requiring high-speed and high-torque performance.

It operates with a rated current of 2.4 A and offers a static torque of 3.0 Nm at 100 K. The motor's efficiency is 90%, ensuring energy-efficient operation. It is naturally cooled and has a net weight

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of 5.0 kg, facilitating easy integration into various systems.

The motor is equipped with an absolute encoder (AM22DQ) with a 22-bit resolution and a 12-bit multi-turn, providing precise position feedback. The degree of protection is IP64, ensuring reliable operation in demanding environments.

The motor's shaft height is 36 mm, and it features a fitted key and keyway shaft end type. This motor is ideal for applications in industrial automation, robotics, and other precision motion control systems.