1FK2104-5AK11-0DA0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk2104-5ak11-0da0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FK2104-5AK11-0DA0
Product Type	Synchronous Servo Motor
Rated Torque	2.4 Nm
Rated Speed	3000 rpm
Rated Power	0.75 kW
Maximum Speed	8000 rpm
Peak Torque	7.6 Nm
Encoder Resolution	22-bit single-turn
Shaft Diameter	19 mm
Shaft Length	40 mm
Weight	2.85 kg

Description

The Siemens 1FK2104-5AK11-0DA0 is a high-performance synchronous servo motor from the SIMOTICS S-1FK2 HD series, designed for precise motion control applications. This motor delivers a rated torque of 2.4 Nm and operates at a rated speed of 3000 rpm, providing a continuous output power of 0.75 kW.

It features a maximum permissible speed of 8000 rpm and a peak torque of 7.6 Nm, ensuring robust performance in demanding environments. The motor is equipped with an absolute encoder with a 22-bit single-turn resolution, facilitating accurate position feedback.

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Its cylindrical shaft measures 19 mm in diameter and 40 mm in length, compatible with standard mounting configurations. With a net weight of 2.85 kg, the motor is compact and lightweight, suitable for integration into various automation systems.

The 1FK2104-5AK11-0DA0 is ideal for applications requiring high precision and dynamic response, such as robotics, CNC machinery, and automated assembly lines.

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