1FK7063-5AH71-1UH3-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7063-5ah71-1uh3-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous
Servomotor Type	Three-phase
Series	7
Size	06
Length	3
Cooling	Non-ventilated
Rated Speed	4500 rpm
DC Link Voltage	600 V
Encoder System	Multi-pole resolver
Shaft End	Smooth shaft, radial eccentricity N, with holding brake
Degree of Protection	IP64

Description

The Siemens 1FK7063-5AH71-1UH3-Z is a compact synchronous servomotor from the SIMOTICS S 1FK7 series, designed for precise motion control in industrial automation applications. Operating at a rated speed of 4,500 rpm, it delivers a continuous torque of 11 Nm and a peak torque of 17.4 Nm, suitable for demanding tasks requiring high performance.

The motor features a non-ventilated design, ensuring reliable operation in various environments. It operates at a DC link voltage of 600V, compatible with standard industrial power systems. The motor is equipped with a multi-pole resolver encoder system, providing accurate position feedback essential

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for precise motion control.

The shaft end is smooth with a radial eccentricity tolerance of N, and it includes a holding brake, enhancing safety during operation. With a degree of protection rated at IP64 and an anthracite paint finish, the motor is built to withstand harsh industrial conditions, offering durability and longevity.

This servomotor is ideal for applications requiring high precision and reliability, such as robotics, CNC machinery, and automated assembly lines.