1FK7063-2AH74-1AH0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7063-2ah74-1ah0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Rated Power	1.4 kW
Rated Speed	4,500 rpm
Rated Torque	3.0 Nm
Maximum Torque	35.0 Nm
Cooling Type	Natural cooling (IM B5)
Temperature Sensor	Pt1000
Mounting Type	Flange 1
Shaft Type	Feather key, tolerance N
Degree of Protection	IP64
Resolver Type	Multi-pole resolver (P=4)

Description

The Siemens 1FK7063-2AH74-1AH0 is a SIMOTICS S synchronous motor from the 1FK7 series, designed for high-performance applications requiring precise motion control. This motor offers a rated power of 1.4 kW and operates at a nominal speed of 4,500 rpm, making it suitable for tasks demanding rapid acceleration and deceleration.

With a rated torque of 3.0 Nm and a maximum torque of 35.0 Nm, it ensures reliable performance under varying load conditions. The motor features a natural cooling system (IM B5) and is equipped with a Pt1000 temperature sensor for efficient thermal management.

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Its compact design includes a flange 1 mounting and a shaft with a feather key, tolerance N, facilitating easy integration into existing systems. The motor's degree of protection is IP64, providing resistance against dust and water ingress.

Additionally, it includes a rotatable multi-pole resolver (P=4) for precise position feedback. This motor is ideal for applications in industrial automation, robotics, and other sectors requiring precise and dynamic motion control.

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