1FK7032-5AK71-1HH5-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7032-5ak71-1hh5-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FK7032-5AK71-1HH5-Z
Motor Type	Synchronous
Servo Motor Type	Three-phase servomotor
Series	1FK7
Size	03
Length	2
Cooling	Non-ventilated
Rated Speed	6000 rpm
DC Link Voltage	600 V
Mounting Flange	IM B5
Encoder System	Absolute encoder EnDat 512 pulses/rev.

Description

The Siemens 1FK7032-5AK71-1HH5-Z is a compact synchronous servo motor from the 1FK7 series, designed for precise motion control applications. Operating at a rated speed of 6000 rpm, it delivers a continuous torque of 1.1 Nm and a peak torque of 3.3 Nm.

The motor is naturally cooled and features a non-ventilated design, ensuring reliable performance in various industrial environments. It operates at a DC link voltage of 600 V and is constructed with an IM B5 mounting flange, suitable for versatile installation options.

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The motor is equipped with an absolute encoder system, providing 512 pulses per revolution, and includes a holding brake for enhanced safety during operation. With a degree of protection rated at IP64, it offers robust resistance against dust and water ingress, making it suitable for demanding industrial applications.

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