1FK7101-5AF71-1FG3-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7101-5af71-1fg3-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FK7101-5AF71-1FG3-Z
Product Type	Synchronous Servo Motor
Series	SIMOTICS S
Rated Speed	3000 rpm
Rated Torque	12.0 Nm
Encoder System	Absolute Encoder EnDat 2048 pulses/rev
Mounting Flange	IM B5
Stopień ochrony	IP64

Description

The Siemens 1FK7101-5AF71-1FG3-Z is a compact synchronous servo motor from the SIMOTICS S series, designed for precise motion control in industrial automation applications. This three-phase servomotor operates at a rated speed of 3,000 rpm, delivering a rated torque of 12.0 Nm, and is optimized for natural cooling.

It features an absolute encoder system with EnDat 2048 pulses per revolution, ensuring high-resolution feedback for accurate positioning. The motor is constructed with an IM B5 mounting flange, suitable for various installation scenarios.

With a degree of protection rated at IP64, it offers robust resistance against dust and water ingress, enhancing its reliability in demanding environments. The 1FK7101-5AF71-1FG3-Z is ideal for applications requiring precise and reliable motion control, such as robotics, CNC machinery, and

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