AUTOMATION TRADER

1FK032-2AK71-1UG0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk032-2ak71-1ug0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Power Rating	0.5 kW
DC Link Voltage	600 V
Continuous Torque	1.15 Nm
Rated Speed	6,000 rpm
Cooling Type	Natural cooling
Frame Size	IM B5 (IM V1, IM V3)
Power Connector	Rotatable flange 1
Encoder System	Multi-pole resolver with DRIVE-CLiQ interface
Shaft Design	Smooth shaft with minimal radial eccentricity
Degree of Protection	IP64

Description

The Siemens 1FK032-2AK71-1UG0 is a high-performance synchronous servomotor from the SIMOTICS S-1FK7 series, designed for precision motion control applications. This motor features a rated power of 0.5 kW, a DC link voltage of 600 V, and delivers a continuous torque of 1.15 Nm at 6,000 rpm.

It operates with natural cooling and is housed in an IM B5 (IM V1, IM V3) frame size. The motor is equipped with a rotatable flange 1 power connector and utilizes a multi-pole resolver with DRIVE-CLiQ interface for precise feedback.

Its smooth shaft design ensures minimal radial eccentricity, and it is rated with an IP64 degree of protection, making it suitable for demanding industrial environments. This motor is ideal for

applications requiring high dynamic response and accuracy, such as robotics, CNC machinery, and automated production lines.

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