1FG1503-6UF32-2HK1-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fg1503-6uf32-2hk1-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous Servo Motor
Gearbox Type	Bevel Gearbox B49
Maximum Speed	4500 rpm
Maximum Torque	465 Nm
Shaft Type	Hollow Shaft with Keyway
Encoder Type	Resolver Multi-pole
Interface Type	DRIVE-CLiQ

Description

The Siemens 1FG1503-6UF32-2HK1-Z is a high-performance synchronous servo motor designed for precision motion control applications. Part of the SIMOTICS S-1FG1 series, this motor features a bevel gearbox (type B49) and operates at a maximum speed of 4,500 revolutions per minute (rpm).

It delivers a maximum torque of 465 Nm, making it suitable for demanding industrial tasks requiring high torque and speed. The motor is configured with a hollow shaft and keyway, facilitating easy integration into various machinery setups.

Additionally, it is equipped with a resolver multi-pole encoder and a DRIVE-CLiQ interface, ensuring precise position feedback and seamless communication within automation systems. This servomotor is ideal for applications in robotics, CNC machinery, and other automated systems where reliability and performance are critical.

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