1FK7042-5AK71-1DA3

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7042-5ak71-1da3
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Manufacturer	Siemens
Part Number	1FK7042-5AK71-1DA3
Product Type	Synchronous Servomotor
Rated Power	1.02 kW
Nominal Torque	3.0 Nm
Rated Speed	6000 RPM
Protection Rating	IP65
Encoder Type	Incremental Encoder with DRIVE-CLiQ Interface
Mounting Type	IM B5, IM V1, IM V3
Connector Rotation	270°
Shaft Height	48 mm

Description

The Siemens 1FK7042-5AK71-1DA3 is a high-performance synchronous servomotor from the SIMOTICS S-1FK7 series, engineered for precise motion control in industrial automation applications. This model delivers a rated power output of 1.02 kW and a nominal torque of 3.0 Nm, operating at a rated speed of 6000 RPM.

Designed for natural cooling, it features an IP65 protection rating, ensuring durability in demanding environments. The motor is equipped with an incremental encoder providing 2048 pulses per revolution (ppr) and utilizes the DRIVE-CLiQ interface for enhanced communication.

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It supports multiple mounting configurations, including IM B5, IM V1, and IM V3, with a rotatable power/signal connector plug offering 270° flexibility. The shaft height is 48 mm, and the motor is finished in RAL7016 paint, combining functionality with a modern aesthetic.