1FK7040-5AK71-1FV5-Z

Industrial automation components

Add to quote

Ask about this product



Manufacturer	Siemens
Catalog number	1fk7040-5ak71-1fv5-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous
Servo Type	Three-phase servomotor
Series	1FK7
Size	04
Cooling	Naturally cooled
Rated Speed	6000 rpm
Power Output	0.69 kW
Construction	IM B5 (IM V1, IM V3)
Connector Rotatability	270°
Encoder Type	Incremental encoder
Encoder Signal	sin/cos 1 Vpp
Encoder Resolution	2048 pulses/rev

Description

The Siemens 1FK7040-5AK71-1FV5-Z is a compact synchronous servo motor from the 1FK7 series, designed for precise motion control applications. It delivers a continuous torque of 1.6 Nm and operates at a rated speed of 6000 rpm, providing a power output of 0.69 kW.

This motor is naturally cooled and features an IM B5 (IM V1, IM V3) construction, suitable for various mounting configurations. The power and signal connectors are rotatable by 270°, offering flexible installation options.

Automation Trader
960 Capability Green
Luton, Bedfordshire LU1 3PE
VAT ID: PL6463009354
REGON: 527345886
DUNS: 427734105
BDO: 000726360

Phone
+44 7418 359 399

Email
info@automationtrader.com

Generated on demand. The PDF file is not stored on the server.

Equipped with an incremental encoder with a sin/cos 1 Vpp signal and a resolution of 2048 pulses per revolution, it ensures accurate position feedback. The motor shaft is plain with a tolerance of N, and it includes a holding brake for enhanced safety.

With a degree of protection rated at IP65 and IP67 for the drive end flange, it is suitable for demanding industrial environments. The motor is coated with RAL7016 anthracite paint, providing durability and resistance to environmental factors.