1FK7042-2AF71-1TG2

Industrial automation components

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Manufacturer	Siemens
Catalog number	1fk7042-2af71-1tg2
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Rated Speed	3000 rpm
Rated Torque	2.6 Nm
Rated Current	2.0 A
Encoder System	2-pole resolver (without DRIVE-CLiQ interface)
Construction Standard	IM B5 (IM V1, IM V3)
Cooling Type	Naturally cooled
Protection Degree (Drive End)	IP65
Protection Degree (Non-Drive End)	IP67

Description

The Siemens 1FK7042-2AF71-1TG2 is a high-performance synchronous servomotor designed for precision motion control applications. Operating at a rated speed of 3000 rpm, it delivers a rated torque of 2.6 Nm and a rated current of 2.0 A, ensuring efficient and reliable performance.

The motor features a 2-pole resolver encoder system without the DRIVE-CLiQ interface, providing accurate position feedback. Its construction adheres to the IM B5 (IM V1, IM V3) standard, suitable for various mounting configurations.

The motor is naturally cooled and has a degree of protection rated at IP65 for the drive end flange and IP67 for the non-drive end flange, offering robust protection against dust and water ingress. With a compact design and high torque density, the 1FK7042-2AF71-1TG2 is ideal for applications requiring precise motion control and reliability.

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

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