1FK7080-5AF71-1FB3

Industrial automation components

Add to quote

Ask about this product



Manufacturer	Siemens
Catalog number	1fk7080-5af71-1fb3
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous
Servomotor Type	Three-phase servomotor
Series	1FK7
Size	08
Rated Speed	3000 rpm
Rated Torque	8 Nm
Rated Current	4.4 A
DC Link Voltage	600 V
Cooling Type	Natural
Encoder Type	2-pole resolver with DRIVE-CLiQ interface
Shaft End	With keyway, radial eccentricity N, without holding brake
Degree of Protection	IP 64

Description

The Siemens 1FK7080-5AF71-1FB3 is a compact synchronous servomotor from the 1FK7 series, designed for precise motion control applications. Operating at a rated speed of 3000 rpm, it delivers a continuous torque of 8 Nm, making it suitable for tasks requiring high torque at moderate speeds.

The motor operates on a three-phase system with a rated current of 4.4 A and a DC link voltage of 600 V, ensuring efficient performance in industrial settings. Cooling is achieved through natural convection, eliminating the need for external cooling systems.

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.

The motor features an incremental encoder system with a 2-pole resolver and DRIVE-CLiQ interface, providing accurate position feedback. Its shaft end includes a keyway with radial eccentricity N and lacks a holding brake, which may be suitable for applications where holding torque is not critical.

The motor's degree of protection is IP 64, offering resistance against dust and water ingress. This servomotor is ideal for integration into Siemens' SINAMICS drive systems, offering reliable and efficient motion control solutions for various industrial automation tasks.