1FK6083-6AF71-1EG2

Industrial automation components

Add to quote

Ask about this product



Manufacturer	Siemens
Catalog number	1fk6083-6af71-1eg2
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FK6083-6AF71-1EG2
Motor Type	Synchronous Servomotor
Pole Count	6 poles
Rated Torque	16 Nm
Rated Speed	3000 rpm
Cooling Type	Natural Air Cooling
Typ montażu	IM B5 (V1, V3)
Connector Rotation	270 degrees
Encoder Type	Absolute Encoder
Encoder Resolution	2048 pulses per revolution pulses/rev
Shaft Type	Smooth Shaft

Description

The Siemens 1FK6083-6AF71-1EG2 is a high-performance synchronous servomotor designed for precision applications in industrial automation. This 6-pole motor delivers a rated torque of 16 Nm at a speed of 3000 RPM, ensuring reliable and efficient operation.

It features natural air cooling and is constructed with an IM B5 (V1, V3) mounting type, suitable for various installation scenarios. The motor is equipped with power and signal connectors that can be rotated by 270 degrees, providing flexibility in wiring configurations.

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.

An absolute encoder with EnDat 2048 pulses per revolution (encoder A-2048) ensures precise position feedback. The shaft is smooth with tolerance N and does not include a holding brake, making it ideal for applications where braking is not required.

With a degree of protection IP65 for the motor housing and IP67 for the flange, the motor is well-suited for environments where dust and water resistance are essential. This servomotor is part of Siemens' 1FK6 series, known for their durability and high performance in demanding industrial settings.