1FK6083-6AF21-1TB9-Z

Industrial automation components

Add to quote

Ask about this product



Manufacturer	Siemens
Catalog number	1fk6083-6af21-1tb9-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Manufacturer	Siemens
Part Number	1FK6083-6AF21-1TB9-Z
Product Series	1FK6
Device Type	Synchronous Servo Motor
Rated Torque	10.5 Nm
Stall Torque	13 Nm
Rated Speed	3000 RPM
Maximum Speed	3800 RPM
Input Voltage	174 V
Protection Rating	IP64
Feedback System	Two-Pole Resolver
Integrated Brake	EBD 1.4BV

Description

The Siemens 1FK6083-6AF21-1TB9-Z is a synchronous servo motor from the 1FK6 series, designed for precise motion control in industrial automation applications. This motor features a rated torque of 10.5 Nm and a stall torque of 13 Nm, with a rated speed of 3000 RPM and a maximum speed of 3800 RPM.

It operates at an input voltage of 174 V and offers protection with an IP64 rating. The thermal class is F, equipped with a PTC sensor for temperature monitoring. The feedback system utilizes a two-pole resolver, and the integrated brake is an EBD 1.4BV, rated at 24 V and 21.0 W.

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's construction is IM B5, featuring a square flange with four through holes. The output shaft has a diameter of 24 mm with a coarse spline profile consisting of 13 teeth. The motor dimensions are 56 cm in length, 38 cm in width, and 33 cm in height, with a weight of 42 kg.

This motor is suitable for applications requiring high precision and reliability in motion control.

AUTOMATION TRADER

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.