1FT5062-1AF71-3AA0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft5062-1af71-3aa0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT5062-1AF71-3AA0
Product Type	AC Servo Motor
Frame Size	63 mm
Rated Speed	3000 RPM
Rated Torque	2.3 Nm
Rated Current	2.3 A
Protection Rating	IP64
Cooling Type	Non-ventilated
Encoder System	Integrated tachogenerator and rotor position encoder
Shaft Design	Shaft with keyway
Holding Brake	Without holding brake

Description

The Siemens 1FT5062-1AF71-3AA0 is a high-performance AC servo motor designed for precision motion control applications. Manufactured by Siemens, this motor is part of the SIMOTICS series, known for their reliability and efficiency in industrial automation.

The motor operates at a rated speed of 3000 RPM, delivering a rated torque of 2.3 Nm at 100% rated current of 2.3 A. It features a non-ventilated design with an integrated tachogenerator and rotor position encoder, ensuring accurate speed and position feedback.

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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The shaft is equipped with a keyway, facilitating secure coupling with driven machinery. This model does not include a holding brake, making it suitable for applications where external braking systems are utilized.

With a frame size of 63 mm and a weight of approximately 6.5 kg, the 1FT5062-1AF71-3AA0 is compact and lightweight, ideal for integration into space-constrained environments. Its IP64 protection rating ensures resistance to dust and water ingress, enhancing durability in harsh industrial settings.

This motor is compatible with a 600 V DC link voltage, aligning with standard industrial power supplies. Its construction type is IM B5 (IM V1, IM V3), indicating a flange-mounted design suitable for various mounting configurations.

The axial drive-end connector outlet direction simplifies wiring and installation processes. These specifications make the Siemens 1FT5062-1AF71-3AA0 a versatile and reliable choice for demanding motion control tasks in industrial automation.