1FT6082-8AH71-3AA1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6082-8ah71-3aa1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Voltage	400 V
Current	14.8 A
Continuous Torque	13 Nm
Maximum Speed	4500 rpm
Encoder Type	EnDat 2048 absolute encoder
Cooling Type	Natural air cooling
Protection Class	IP65
Dimensions	300 x 220 x 170 mm
Weight	15.005 kg

Description

The Siemens 1FT6082-8AH71-3AA1 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precision motion control applications. This three-phase motor operates at 14.8 amps and delivers a continuous torque of 13 Nm, with a maximum speed of 4500 rpm.

It features natural air cooling and is equipped with an EnDat 2048 absolute encoder, ensuring precise position feedback. The motor is naturally cooled and has an IP65-rated gamma sealing ring, providing protection against dust and water ingress.

Its compact dimensions (300 mm length, 220 mm height, 170 mm width) and lightweight design (15.005 kg) make it suitable for integration into various automation systems. Ideal for applications requiring high torque and speed stability, this servomotor offers reliable performance in demanding industrial environments.

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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