1FT6084-8AK72-4AD1-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6084-8ak72-4ad1-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous Servo Motor
Series	1FT6
Rated Torque	20 Nm
Rated Speed	6000 rpm
Cooling Method	Natural Air Cooling
Flange Type	IM B14
Encoder Type	Sin/Cos Incremental Encoder
Encoder Signal	1 Vpp
Shaft End	Feather Key
Protection Rating	IP65

Description

The Siemens 1FT6084-8AK72-4AD1-Z is a high-performance synchronous servo motor from Siemens' 1FT6 series, designed for precision motion control applications. This motor features a rated torque of 20 Nm, a rated speed of 6000 rpm, and operates with natural air cooling.

It is constructed with an IM B14 flange, suitable for various mounting configurations. The motor is equipped with a sin/cos incremental encoder with a 1 Vpp signal, providing precise feedback for accurate positioning.

The shaft end includes a feather key, ensuring secure coupling with driven machinery. With a vibration severity grade of N and an IP65 protection rating, the motor is built to withstand

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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demanding industrial environments, offering durability and reliability in continuous operation.

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