AUTOMATION TRADER

1FT6082-8AC71-3SA3

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6082-8ac71-3sa3
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT6082-8AC71-3SA3
Product Type	Synchronous Servomotor
Rated Torque	13 Nm
Rated Speed	2000 rpm
Mounting Flange	IM B5 (IM V1, IM V3)
Encoder Type	Absolute Encoder (EnDat 2048 S/R)
Shaft End	Feather Key with Circular Runout Tolerance N
Holding Brake	None
Seal Type	Labyrinth Seal

Description

The Siemens 1FT6082-8AC71-3SA3 is a synchronous servomotor from the SIMOTICS S series, designed for precise motion control in industrial automation applications. This model features a rated torque of 13 Nm, a rated speed of 2000 rpm, and operates with natural air cooling.

It is constructed with an IM B5 (IM V1, IM V3) mounting flange, suitable for various installation orientations. The motor is equipped with an absolute encoder (EnDat 2048 S/R), providing high-resolution feedback for accurate position control.

The shaft end includes a feather key with a circular runout tolerance of N, ensuring secure coupling with driven machinery. The motor lacks a holding brake, making it ideal for applications where

braking is not required.

It has a vibration severity grade of N and is sealed with a labyrinth seal, offering protection against dust and moisture ingress. These features make the 1FT6082-8AC71-3SA3 suitable for applications requiring precise motion control and reliable performance in demanding environments.