1FT6082-1AH71-3AG1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6082-1ah71-3ag1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Manufacturer	Siemens
Part Number	1FT6082-1AH71-3AG1
Product Type	Synchronous Servomotor
Nominal Torque	13 Nm
Nominal Speed	3000 rpm
Cooling Type	Natural
Protection Rating	IP65
Encoder Type	Incremental
Encoder Resolution	2048 S/R
Connector Orientation	Axial NDE

Description

The Siemens 1FT6082-1AH71-3AG1 is a synchronous servomotor from the SIMOTICS S series, designed for high-performance applications requiring precise motion control. This motor features a nominal torque of 13 Nm at a 100 K temperature rise and operates at a nominal speed of 3000 rpm.

It is naturally cooled and has an IP65 protection rating, ensuring durability in various industrial environments. The motor is equipped with an incremental encoder providing sin/cos 1 Vpp signals with a resolution of 2048 S/R, facilitating accurate position feedback.

The power and signal connectors are axially oriented on the non-drive end, and the motor does not include a holding brake. This model is suitable for integration into systems requiring reliable and

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