1FT6086-8AH71-3SA2

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6086-8ah71-3sa2
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Synchronous Servomotor
Continuous Torque	27 Nm
Rated Speed	4500 rpm
Cooling Method	Natural Cooling (IM B5)
Encoder Resolution	2048 S/R

Description

The Siemens 1FT6086-8AH71-3SA2 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for demanding industrial automation applications. This motor delivers a continuous torque of 27 Nm and operates at a rated speed of 4500 rpm, making it suitable for precise motion control tasks.

It features natural cooling (IM B5) and is equipped with an incremental encoder with a 2048 S/R resolution, ensuring accurate position feedback. The motor's robust construction includes a smooth shaft with a circular runout tolerance of N and a vibration severity grade of N, indicating its suitability for high-precision operations.

The 1FT6086-8AH71-3SA2 is ideal for applications requiring reliable and efficient motion control, such as robotics, CNC machinery, and automated production lines.

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