1FT6-084-8AH71-1AG0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft6-084-8ah71-1ag0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT6 084-8AH71-1AG0
Rated Torque	20 Nm
Maximum Speed	4500 rpm
Cooling Method	Natural cooling
Encoder Resolution	2048 S/R (encoder I-2048)
Shaft Type	Smooth shaft with circular runout tolerance N
Protection Rating	IP64
Construction Standard	IM B5 (IM V1, IM V3)
Connector Outlet Direction	Transverse right

Description

The Siemens 1FT6 084-8AH71-1AG0 is a high-performance synchronous servomotor from the SIMOTICS S series, designed for precision motion control in industrial automation applications. This model features a rated torque of 20 Nm, a maximum speed of 4500 rpm, and operates with natural cooling, making it suitable for various demanding environments.

It is equipped with an incremental encoder system providing 2048 S/R (encoder I-2048) resolution, ensuring accurate position feedback. The motor has a smooth shaft with a circular runout tolerance of N and is rated with vibration severity grade N, indicating low vibration levels during operation.

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Additionally, it includes a labyrinth seal with an IP64 protection rating, offering robust protection against dust and water ingress. The motor's construction follows the IM B5 (IM V1, IM V3) standard, with a transverse right connector outlet direction, facilitating flexible installation.

This model is ideal for applications requiring precise and reliable motion control, such as robotics, CNC machinery, and automated production lines.

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