1FT7082-1AF74-1NH1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft7082-1af74-1nh1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT7082-1AF74-1NH1
Motor Type	Permanent-magnet synchronous motor
Rated Speed	3000 rpm
Rated Torque	10.3 Nm
Optimal Power	3.2 kW
Cooling Type	Natural cooling
Mounting Design	IM B5
Temperature Sensor	Pt1000
Stopień ochrony	IP65

Description

The Siemens 1FT7082-1AF74-1NH1 is a high-performance synchronous motor from the SIMOTICS S-1FT7 series, designed for demanding industrial applications requiring precision and reliability. This motor operates at a rated speed of 3,000 rpm and delivers a rated torque of 10.3 Nm at 100 K, with an optimal power output of 3.2 kW.

It features natural cooling and is equipped with a rotatable power connector for flexible installation. The motor's design complies with the IM B5 standard, ensuring compatibility with various mounting configurations.

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It also includes a Pt1000 temperature sensor for effective thermal management. With a degree of protection rated at IP65, the motor is well-suited for environments where dust and water resistance are essential.

The 1FT7082-1AF74-1NH1 is ideal for applications in automation systems, robotics, and other precision machinery where high torque and speed stability are critical.

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