1FT7084-1AF74-1NG1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft7084-1af74-1ng1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT7084-1AF74-1NG1
Product Type	Synchronous Motor
Series	1FT7
Rated Torque	20 Nm
Rated Speed	3,000 rpm
Moc znamionowa	4.56 kW
Cooling Type	Natural Cooling
Stopień ochrony	IP65
Power Connector	Rotatable
Flange Type	Conventional Flange (1FT6/1FK7 compatible)
Temperature Sensor	Pt1000

Description

The Siemens 1FT7084-1AF74-1NG1 is a SIMOTICS S synchronous motor from the 1FT7 series, designed for high-performance applications requiring precise control and reliability. This motor features a rated torque of 20 Nm (100 K), a rated speed of 3,000 rpm, and a rated power output of 4.56 kW, making it suitable for various industrial automation tasks.

It operates with natural cooling and has a degree of protection IP65, ensuring durability in demanding environments. The motor is equipped with a rotatable power connector and a conventional

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flange compatible with 1FT6/1FK7 series, facilitating easy integration into existing systems.

Additionally, it includes a Pt1000 temperature sensor and an incremental encoder with a 1 VSS 2048 S/R signal, providing precise feedback for motion control. The plain shaft design without a holding brake offers flexibility in system design.

This motor is ideal for applications requiring high torque and speed stability, such as conveyor systems, packaging machinery, and robotics.

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