1FT7086-1AF71-1FG1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft7086-1af71-1fg1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT7086-1AF71-1FG1
Product Type	Synchronous Motor
Series	1FT7
Rated Torque	28 Nm
Rated Speed	3,000 rpm
Moc znamionowa	5.65 kW
Cooling Type	Natural Air Cooling
Protection Class	IP65
Power Connector	Rotatable
Encoder Type	Absolute Encoder with 22-bit Multi-turn DRIVE-CLIQ Interface
Flange Type	Conventional Flange (1FT6/1FK7 Compatible)

Description

The Siemens 1FT7086-1AF71-1FG1 is a SIMOTICS S synchronous motor from the 1FT7 series, designed for high-performance applications requiring precise motion control. This motor features a rated torque of 28 Nm at 100 K, a rated speed of 3,000 rpm, and a rated power output of 5.65 kW.

It operates with natural air cooling and has a degree of protection IP65, ensuring durability in various industrial environments. The motor is equipped with a rotatable power connector and an absolute encoder with a 22-bit multi-turn DRIVE-CLIQ interface, facilitating seamless integration

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with Siemens drive systems.

Its conventional flange design is compatible with 1FT6 and 1FK7 series, offering flexibility in system configurations. This motor is ideal for applications requiring high precision and reliability, such as robotics, CNC machinery, and automated production lines.

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