1PH7103-7QG02-0CJ0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ph7103-7qg02-0cj0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Manufacturer	Siemens
Part Number	1PH7103-7QG02-0CJ0
Product Type	Compact Asynchronous Motor
Rated Power Output	7 kW
Nominal Speed	2000 RPM
Nominal Torque	33.4 Nm
Supply Voltage	400 V
Current Rating	17.5 A
Operating Frequency	50 Hz
Cooling	Fan
Protection Rating	IP55
Encoder System	Optical sin/cos incremental encoder

Description

The Siemens 1PH7103-7QG02-0CJ0 is a compact asynchronous motor from the SIMOTICS M series, designed for high-performance applications in industrial automation. This motor delivers a rated power output of 7 kW and operates at a nominal speed of 2000 RPM, generating a nominal torque of 33.4 Nm.

It features a 3-phase AC supply voltage of 400 V at 50 Hz, with a current rating of 17.5 A. The motor includes an integrated fan for cooling and is constructed with an IP55 protection rating, ensuring durability in demanding environments.

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It utilizes an optical sin/cos incremental encoder system for precise speed and position feedback. The motor is designed with a smooth shaft without a fitted key, facilitating easy integration into various mechanical systems.

Its construction type is IM B5 (IM V1, IM V3), suitable for mounting in different orientations. This model does not include a holding brake, making it ideal for applications where braking is not required.

The motor's terminal box is positioned on top with a right-side cable entry, and it features a metric cable entry according to EN 50262 standards. The fan has an IP54 protection rating, providing additional resilience against environmental factors.

This motor is well-suited for applications requiring reliable and efficient performance, such as in machine tools and other industrial machinery.