1PH7103-2NG22-0BJ0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ph7103-2ng22-0bj0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Power Output	7 kW
Speed	2000 rpm
Torque	33.4 Nm
Napięcie zasilania	400V
Current	17.5 A
Protection Rating	IP55 IP
Fan Protection Rating	IP54 IP
Mounting Design	IM B5 (IM V1, IM V3)
Shaft Type	Smooth shaft without fitted key

Description

The Siemens 1PH7103-2NG22-0BJ0 is a high-performance SIMOTICS M Compact asynchronous motor designed for demanding industrial applications. This motor delivers a continuous output of 7 kW at 2000 rpm, with a peak torque of 33.4 Nm, and can operate at a variable speed of up to 7.5 kW at 2300 rpm, providing a peak torque of 31.1 Nm.

It is rated for a 17.5 A current and operates on a 400V 3-phase 50Hz power supply. The motor features a built-in fan for enhanced cooling and includes a relative motor encoder with 1 VSS and 2048 pulses per revolution for precise speed and position feedback.

The terminal box is positioned on top, with the cable entry on the non-drive end, facilitating easy installation and maintenance. Constructed in the IM B5 (IM V1, IM V3) design, it offers versatility in mounting configurations.

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The motor is rated for vibration severity grade R and shaft and flange accuracy grade R, ensuring smooth and reliable operation. It features a smooth shaft without a fitted key and directs airflow from the drive end to the non-drive end, enhancing cooling efficiency.

The motor has an IP55 protection rating, indicating robust protection against dust and water ingress, while the fan has an IP54 rating. This motor is unpainted, suitable for environments where paint finishes are not required.

The 1PH7103-2NG22-0BJ0 is ideal for applications requiring reliable and efficient motor performance, such as in industrial machinery, conveyor systems, and other automation processes.