1PH7101-2NF02-0CJ0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ph7101-2nf02-0cj0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Power Rating	3.7 kW
Rated Speed	1500 rpm
Rated Torque	23.6 Nm
Operating Voltage	400 V
Operating Frequency	50 Hz
Motor Encoder	Relative motor encoder with 2048 pulses per revolution pulses/rev
Construction Type	IM B5 (IM V1, IM V3)
Shaft Type	Smooth shaft without fitted key
Airflow Direction	From drive end to non-drive end
Ingress Protection Rating	IP55 (motor), IP54 (fan)

Description

The Siemens 1PH7101-2NF02-0CJ0 is a SIMOTICS M Compact asynchronous motor designed for industrial automation applications. This motor offers a rated output of 3.7 kW at 1500 rpm, with a rated torque of 23.6 Nm.

It operates on a 400V 3-phase AC supply at 50 Hz and is equipped with a fan for cooling. The motor features a relative motor encoder with 2048 pulses per revolution, ensuring precise speed and position control.

Its construction type is IM B5 (IM V1, IM V3), suitable for various mounting configurations. The motor is rated for vibration severity grade R and shaft and flange accuracy grade R, indicating high

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mechanical precision.

The shaft is smooth without a fitted key, and the direction of airflow is from the drive end to the non-drive end. The motor has an ingress protection rating of IP55, with the fan rated at IP54, providing robust protection against dust and water ingress. The motor is unpainted, suitable for environments where paint is not required.