1PH7101-2NF32-0BJ0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ph7101-2nf32-0bj0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Rated Power	3.7 kW
Rated Speed	1500 rpm
Rated Torque	24 Nm
Rated Current	10 A
Rated Voltage	400 V
Phase	3 phase
Frequency	50 Hz
Motor Encoder	Absolute
Encoder Resolution	2048 pulses per revolution
Construction Type	IM B5 (IM V1, IM V3)
Shaft Type	Smooth without fitted key
Air Flow Direction	From drive end to non-drive end

Description

The Siemens 1PH7101-2NF32-0BJ0 is a compact asynchronous motor from the SIMOTICS M series, designed for industrial applications requiring reliable and efficient performance. This motor delivers a rated power of 3.7 kW at 1500 rpm, with a rated torque of 24 Nm and a rated current of 10 A.

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

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Its construction type is IM B5 (IM V1, IM V3), with a vibration severity grade R and shaft and flange accuracy grade R. The motor has a smooth shaft without a fitted key and directs airflow from the drive end to the non-drive end.

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

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