1PH7107-2QF02-0CJ0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ph7107-2qf02-0cj0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Moc znamionowa	9 kW
Maximum Continuous Power (VC)	10 kW
Rated Speed	1500 rpm
Voltage Rating	400 V
Frequency Rating	50 Hz
Rated Torque	57.3 Nm
Maximum Continuous Torque (VC)	54.6 Nm
Encoder Type	Relative motor encoder
Encoder Resolution	2048 pulses per revolution pulses/rev
Interface Type	Drive-CLiQ
Mounting Type	IM B5 (IM V1, IM V3)
IP Rating (Motor)	IP55

Description

The Siemens 1PH7107-2QF02-0CJ0 is a SIMOTICS M Compact asynchronous motor designed for industrial applications requiring reliable and efficient performance. This motor offers a rated power of 9 kW at 1500 rpm, with a maximum continuous power (VC) of 10 kW at 1750 rpm, delivering a torque of 57.3 Nm and 54.6 Nm respectively.

It operates on a 3-phase 400 V 50 Hz supply and is equipped with a fan for enhanced cooling. The motor features a relative motor encoder with 2048 pulses per revolution and a Drive-CLiQ interface

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for seamless integration with Siemens drive systems.

Its construction adheres to the IM B5 (IM V1, IM V3) standard, suitable for mounting in various industrial settings. The motor is rated with vibration severity grade S and shaft/flange accuracy R, ensuring smooth operation.

Designed for durability, it has an ingress protection rating of IP55 for the motor and IP54 for the fan, indicating resistance to dust and water ingress. The motor is unpainted, suitable for environments where paint is not required.

This motor is ideal for applications in automation systems, conveyor belts, and other machinery requiring consistent and reliable motor performance.