1PH8103-1DG03-0CE1

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ph8103-1dg03-0ce1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Motor Type	Compact Asynchronous Motor
Rated Speed	2,000 rpm
Moc znamionowa	7.0 kW
Maximum Torque	33 Nm
Encoder Type	Incremental Encoder with 22-bit Resolution
Interface Type	DRIVE-CLiQ
Mounting Design	IM B5 (IM V1, IM V3)
Shaft Type	Plain Shaft without Fitted Key
Bearing Arrangement	Standard with Fixed Bearing
Degree of Protection	IP55

Description

The Siemens 1PH8103-1DG03-0CE1 is a compact asynchronous motor designed for industrial applications requiring reliable and efficient performance. This motor operates at a rated speed of 2,000 rpm, delivering a continuous output power of 7.0 kW and a maximum torque of 33 Nm.

It is engineered to handle a current of 17.5 A at a voltage of 345 V, ensuring optimal performance in demanding environments. The motor features an incremental encoder with 22-bit resolution, facilitating precise position feedback for motion control systems.

Its DRIVE-CLiQ interface ensures seamless integration with Siemens' automation systems. The motor's design includes forced ventilation with airflow from the drive end (DE) to the non-drive end (NDE),

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enhancing cooling efficiency.

With an IP55 protection rating, it is well-suited for operations in dusty and damp conditions. The mounting design is IM B5 (IM V1, IM V3), and it features a plain shaft without a fitted key, standard with a fixed bearing arrangement.

This motor is ideal for applications requiring high torque and precise control, such as conveyor systems, pumps, and compressors.