1LE1003-1BB22-2AA4-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1le1003-1bb22-2aa4-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Voltage (50 Hz)	230 V (Δ) / 400 V (Y)
Voltage (60 Hz)	460 V (Y)
Power Output (50 Hz)	4 kW
Power Output (60 Hz)	4.55 kW
Efficiency Class	IE3

Description

The Siemens 1LE1003-1BB22-2AA4-Z is a low-voltage three-phase motor from the SIMOTICS GP series, designed for industrial applications requiring reliable and efficient performance. This motor features a 4-pole, 4 kW (50 Hz) to 4.55 kW (60 Hz) output, making it suitable for various machinery and equipment.

It operates at 230 V (Δ) / 400 V (Y) for 50 Hz and 460 V (Y) for 60 Hz, ensuring versatility across different power systems. The motor is self-ventilated with an IP55 enclosure, providing protection against dust and water ingress, and is constructed with an aluminum housing for durability.

It adheres to the temperature class 155(F) according to 130(B), indicating its capability to withstand high operating temperatures. The motor's efficiency is rated as Premium Efficiency IE3, aligning with modern energy-saving standards.

The frame size is 112M, and it is designed for IM B3 mounting, commonly used in industrial settings. The standard color is RAL 7030, offering a neutral appearance that blends well in various environments.

This motor is ideal for applications in manufacturing, processing, and other industrial sectors where robust and efficient motor performance is essential.

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