1MB2121-1AB21-6LG3

Industrial automation components

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Manufacturer	Siemens
Catalog number	1mb2121-1ab21-6lg3
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Horsepower	1.5 HP
Frame Size	143T
Protection Rating	IP65
Hazardous Duty Class	Class I, Groups C&D, Division I; Class II, Groups F&G, Division I
Efficiency	86.5 %

Description

The Siemens 1MB2121-1AB21-6LG3 is a low-voltage, three-phase induction motor designed for industrial applications requiring reliable and efficient performance. This motor operates at 1.5 horsepower (1.12 kW) and is housed in a robust cast-iron enclosure, ensuring durability and longevity in demanding environments.

It features a Totally Enclosed Fan Cooled (TEFC) design with an IP65 protection rating, providing resistance against dust and water ingress. The motor is suitable for hazardous duty applications, classified under Class I, Groups C&D, Division I, and Class II, Groups F&G, Division I, making it ideal for use in explosive atmospheres.

With a 4-pole configuration, it delivers a speed of 1,800 RPM, and its 143T frame size ensures compatibility with standard mounting arrangements. The motor operates at a voltage of 230/460V and is designed for 60Hz frequency, aligning with standard industrial power supplies.

Its efficiency is rated at 86.5%, contributing to energy savings and reduced operational costs. The 1MB2121-1AB21-6LG3 is engineered for versatility, suitable for various industrial applications where reliability, efficiency, and safety are paramount.

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