CIMR-LC4A0018BAC

Industrial automation components

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Manufacturer	Omron
Catalog number	cimr-lc4a0018bac
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Power Output	7.5 kW
Input Voltage	400 V
Output Frequency	400 Hz
Control Type	Vector Control
Motor Compatibility	Permanent Magnet, Induction, Asynchronous
Enclosure Rating	IP20
Communication Protocols	Modbus, Profibus, CANopen, DeviceNet, LONworks, CompoNet, Ethernet, ML-II, PROFINET, EtherCAT

Description

The Omron CIMR-LC4A0018BAC is a high-performance variable frequency drive (VFD) from the L1000A series, designed for precise control of three-phase induction and synchronous motors in industrial applications. This model offers a power output of 7.5 kW (10 HP) and operates at a rated current of 18 A, suitable for 400 V three-phase systems. It provides a maximum output frequency of 400 Hz, enabling versatile motor speed control. The drive features vector control technology, ensuring accurate and efficient motor performance. It is compatible with various motor types, including permanent magnet, induction, and asynchronous motors. The CIMR-LC4A0018BAC is housed in an IP20-rated enclosure, suitable for indoor installations. Key features include online tuning capabilities, low-noise carrier technology, and support for multiple fieldbus communication protocols such as Modbus, Profibus, CANopen, DeviceNet, LONworks, CompoNet, Ethernet, ML-II, PROFINET, and EtherCAT. This drive is ideal for applications requiring precise motor control and reliable performance.

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