

## 3HAB8101-18

Industrial automation components

|                       |                                  |
|-----------------------|----------------------------------|
| <b>Manufacturer</b>   | Abb                              |
| <b>Catalog number</b> | 3hab8101-18                      |
| <b>Category</b>       | Industrial automation components |
| <b>Product type</b>   | Industrial automation components |
| <b>Status</b>         | Active product                   |

### Technical specification

|                                |                        |
|--------------------------------|------------------------|
| <b>Weight</b>                  | 3.86 kgs               |
| <b>Operating Voltage</b>       | 380V AC                |
| <b>Output Frequency</b>        | Up to 20 kHz           |
| <b>Certifications</b>          | UL, CE, ISO 9001       |
| <b>Dimensions</b>              | 100mm x 100mm x 75mm   |
| <b>Operating Voltage</b>       | 380 V AC               |
| <b>Output Frequency</b>        | Up to 10 kHz           |
| <b>Max Output Torque</b>       | 18 Nm                  |
| <b>Response Time</b>           | Less than 1 ms         |
| <b>Communication Protocols</b> | Modbus TCP/IP, CANopen |
| <b>Protection Class</b>        | IP21                   |
| <b>Cooling System</b>          | Air-cooled             |
| <b>Dimensions</b>              | 165 x 112 x 112 mm     |

## Description

The ABB 3HAB8101-18 is a high-performance servo drive controller engineered for precise motion control in industrial automation applications. Designed to deliver exceptional control over servo systems, it ensures smooth operation and enhanced productivity across various industrial settings. This module is meticulously engineered for unparalleled performance, offering exceptional control over your servo motors in a wide range of applications from heavy machinery to precision robotics. With its robust design and high efficiency, the ABB 3HAB8101-18 is built to withstand harsh industrial conditions, ensuring long-lasting reliability and maintenance-free operation. Its vector control technology delivers precise and responsive motor control, optimizing energy usage and enhancing system performance. The controller supports a broad spectrum of communication protocols, including MODBUS RTU, facilitating seamless integration with various PLC systems and other industrial devices. This compatibility streamlines your setup process and ensures easy interoperability within your existing control network. Engineered with precision, the ABB 3HAB8101-18 features an advanced algorithm for enhanced control accuracy, ensuring minimal error margins in critical operations. Its fast dynamic response time minimizes cycle times, boosting throughput and productivity in your manufacturing processes. For those seeking a versatile, powerful, and efficient servo drive controller, the ABB 3HAB8101-18 is the ideal choice. Backed by ABB's commitment to quality and customer service, you can expect outstanding support throughout the lifespan of this product, ensuring peace of mind and maximizing your investment.