Beckhoff — AX Digital Servo Drives

AX5206-0000-0200



In-Stock, Ships Today

- ☑ Get a Quote in 5 minutes
- ☑ Parts ship in as little as 24 hours
- ☑ Up to half the cost of the manufacturer

Secure Online Checkout

Free Ground Shipping

One Year Warranty

The **AX5206-0000-0200** is a digital servo drive produced by Beckhoff for the AX Digital Servo Drives series. Designed for cabinet installation, the unit supplies controlled power to synchronous or induction servomotors used in automated machinery and material-handling work cells. By combining integrated DC-link management with fieldbus communication, the drive acts as the power stage between the plant controller and the motors. It regulates torque, speed, and position according to real-time motion commands, while its compact enclosure conserves panel space in high-density installations.

The drive uses a two-channel rated-current configuration of **2 × 6 A**, allowing it to control coordinated motion on two axes from one housing. Each channel can supply up to **13 A per channel** during short acceleration peaks. The internal DC link has a capacitance of **470 µF** and operates at up to **875 V DC**, supporting efficient energy transfer to the connected motors. With a 400 V mains supply, the amplifier provides a rated apparent power of **8.3 kVA** for medium-power servo applications. The housing measures 92 mm wide, 274 mm high, and 232 mm deep before the connectors are fitted. These dimensions help the drive fit into cabinet layouts where horizontal mounting space is limited.

During dynamic deceleration, the shared capacitor bank can absorb **85 W·s** of regenerative energy before excess energy is routed to an internal brake stage. The brake stage provides **90 W** of continuous dissipation to manage energy returned by the motors. Under nominal operating conditions, the drive has a power loss of **160 W**, which must be considered when selecting cabinet ventilation or cooling equipment. Motion commands and diagnostic data

Automation Factory sells factory new and pre-owned surplus products and maintains channels to procure supply. Automation Factory is not affiliated with nor an authorized distributor or representative of any manufacturers, brands or products listed. Designated trademarks, brand names, and brands appearing herein are the property of their respective owners.

© 2026 Automation Factory. All rights reserved.

are exchanged through the **EtherCAT** system bus, enabling synchronized communication with the machine controller. Motor position data are received through the OCT feedback interface, which combines feedback communication with the motor connection and reduces separate feedback cabling inside the machine.

Specifications

Channels:	2	**Continuous Braking Power:**	90 W	**Dc Link Capacitance:**	470 µF
DC Link Voltage:	875 V DC	**Depth Without Connectors:**	232 mm	**Feedback Interface:**	OCT
Firmware Version:	2.06	**Hardware Version:**	2.0	**Height Without Connectors:**	274 mm
Peak Output Current:	13 A/Channel	**Power Loss:**	160 W	**Rated Apparent Power (400 V):**	8.3 kVA
Rated Output Current:	2 x 6 A	**Storable Energy:**	85 Ws	**System Bus:**	EtherCAT
Width:	92 mm	**Last Verified:**	11/06/2026 7:47 PM		

Contact Us

1620 Old Apex Road, Cary, NC 27513, USA

Toll Free: 1-888-551-3082

International: 1-919-443-0207

Fax: 1-919-867-6204

Email: sales@wakeindustrial.com

Shipping Options

DHL, FedEx, UPS, Freight

Payment Methods

American Express, MasterCard, VISA, Wire Transfer

Automation Factory sells factory new and pre-owned surplus products and maintains channels to procure supply. Automation Factory is not affiliated with nor an authorized distributor or representative of any manufacturers, brands or products listed. Designated trademarks, brand names, and brands appearing herein are the property of their respective owners.

© 2026 Automation Factory. All rights reserved.