AX2010

Industrial automation components

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Manufacturer	Beckhoff
Catalog number	ax2010
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Digital Servo Drive
Rated Output Current	10 A
Peak Output Current	20 A
Supply Voltage	3×230–480 V ±10%, 50/60 Hz
Output Stage Clock Frequency	8 kHz (up to 16 kHz at VDCmax=400 V) Hz
Enclosure Protection	IP20
Operating Humidity	85% RH, non-condensing % RH
Overvoltage Protection Threshold	450–900 V
Dimensions	320 mm x 270 mm x 80 mm
Weight	5 kg

Description

The Beckhoff AX2010 is a digital servo drive designed for precise motor control in industrial automation applications. Operating within the AX Digital Servo Drives series, it offers a rated output current of 10 A and a peak output current of 20 A, ensuring reliable performance for dynamic motion control tasks.

The drive supports a supply voltage range of 3×230–480 V ±10%, 50/60 Hz, making it suitable for various industrial power systems. Its output stage operates at a clock frequency of 8 kHz, which can be increased to 16 kHz when the DC bus voltage is limited to 400 V, enhancing system responsiveness and reducing torque ripple.

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The AX2010 features an IP20 enclosure protection, safeguarding internal components from dust and accidental contact, and is capable of operating in environments with humidity levels up to 85% RH, non-condensing.

This makes it a robust choice for diverse industrial settings. Additionally, the drive includes overvoltage protection with thresholds between 450–900 V, providing an extra layer of safety for connected equipment.

With a compact design measuring 320 mm in length, 270 mm in width, and 80 mm in height, and weighing approximately 5 kg, the AX2010 is engineered for efficient integration into various automation systems.