AX5112-0000-0202

Industrial automation components

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Manufacturer	Beckhoff
Catalog number	ax5112-0000-0202
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Digital Compact Servo Drive
Rated Supply Voltage	3 x 100–480 V AC
Rated Output Current	12 A
Peak Output Current	26 A
System Bus	EtherCAT
Feedback Interfaces	SinCos 1 Vpp, Resolver, EnDat 2.1, HIPERFACE®, BiSS® B, OCT
Operating Temperature Range	0 to 50°C
Protection Class	IP20
Dimensions	92 mm x 317.7 mm x 232 mm

Description

The Beckhoff AX5112-0000-0202 is a single-channel digital compact servo drive from the AX5000 series, designed for precise motion control in industrial automation applications. Operating with a 3-phase supply voltage of 100–480 V AC, it delivers a rated output current of 12 A and a peak output current of 26 A.

The drive interfaces with EtherCAT, enabling high-speed communication and synchronization within automation systems. It supports various feedback systems, including SinCos 1 Vpp, resolver, EnDat 2.1, HIPERFACE®, BiSS® B, and OCT, ensuring compatibility with a wide range of motors.

The AX5112-0000-0202 operates within an ambient temperature range of 0 to 50°C and has a protection class of IP20, suitable for installation in control cabinets. Its compact dimensions (92 mm width, 317.7 mm height, and 232 mm depth) facilitate space-efficient integration.

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This servo drive is ideal for applications requiring dynamic positioning and precise speed control, such as robotics, CNC machinery, and automated assembly lines.

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