AX5103-0000-0202

Industrial automation components

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Manufacturer	Beckhoff
Catalog number	ax5103-0000-0202
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Digital Compact Servo Drive
Product Series	AX5000
Rated Supply Voltage	3 x 100–480 V AC ±10%
DC Link Voltage (max)	875 V DC
Rated Output Current	3 A
Peak Output Current	7.5 A
Communication Interface	EtherCAT
Feedback Interfaces	SinCos 1 Vpp, resolver, EnDat 2.1, Hiperface, BiSS B, OCT
Ambient Temperature Range	0 to 50°C
Protection Class	IP 20

Description

The Beckhoff AX5103-0000-0202 is a single-channel digital compact servo drive from the AX5000 series, designed for high-performance motion control in industrial automation applications. Operating with a rated supply voltage of 3 x 100–480 V AC ±10% and a DC link voltage up to 875 V DC, it delivers a rated output current of 3 A per channel, with a peak output current of 7.5 A.

The servo drive utilizes EtherCAT for high-speed system communication, ensuring precise and dynamic positioning tasks. It supports multiple feedback interfaces, including SinCos 1 Vpp, resolver, EnDat 2.1, Hiperface, BiSS B, and OCT, providing flexibility for various motor types.

AUTOMATION TRADER

Automation Trader
960 Capability Green
Luton, Bedfordshire LU1 3PE

VAT ID: PL6463009354
REGON: 527345886
DUNS: 427734105
BDO: 000726360

Phone
+44 7418 359 399

Email
info@automationtrader.com

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The device operates within an ambient temperature range of 0 to 50°C and has a protection class of IP 20, suitable for indoor applications. The AX5103-0000-0202 is compliant with CE, cULus, and EAC standards, ensuring adherence to international safety and performance regulations.

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