HCS011E-W0009-A-02-B-ET-EC-PB-NN-NN-FW

Industrial automation components

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Manufacturer	Bosch Rexroth
Catalog number	hcs011e-w0009-a-02-b-et-ec-pb-nn-nn-fw
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Manufacturer	Bosch Rexroth
Part Number	HCS01.1E-W0009-A-02-B-ET-EC-PB-NN-NN-FW
Product Type	Compact Converter
Mains Voltage	3 x AC 110 to 230 V ±10%
Peak Current	9 A
Communication Interface	MultiEthernet
Cooling Method	Air, internal (through integrated blower)
IP Rating	IP20
Encoder System Compatibility	5V, 12V
Resolver Support	Only without Safe Motion in use

Description

The Bosch Rexroth HCS01.1E-W0009-A-02-B-ET-EC-PB-NN-NN-FW is a compact converter from the IndraDrive Cs series, designed for efficient and reliable automation solutions. This controller operates on a mains voltage range of 3 x AC 110 to 230 V ±10% and delivers a peak current of 9 A, making it suitable for both single and multi-axis drive and control tasks. It features MultiEthernet communication and an integrated blower for internal air cooling, ensuring optimal performance in various industrial environments. The device is rated IP20, indicating protection against solid objects larger than 12 mm but not against water ingress. Compatible with encoder systems operating at 5V and 12V, including MSM, MS2N, MSK, 1Vpp sin-cos, HIPERFACE, EnDat 2.1/2.2, and 5V TTL square wave, the controller offers

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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versatile integration options. However, it supports resolver systems only when Safe Motion is disabled. The controller includes an encoder interface supporting IndraDyn Hiperface/EnDat 2.1/2.2 formats and a PROFIBUS interface, facilitating seamless communication within automation networks. Firmware must be obtained separately according to the specified sub position, ensuring the controller operates with the latest features and optimizations. This compact converter is ideal for applications requiring precise and adaptable control solutions, such as robotics, packaging, and material handling systems.

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