HCS011E-W0009-A-02-A-CC-EC-PB-L3-NN-FW

Industrial automation components

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Manufacturer	Bosch Rexroth
Catalog number	hcs011e-w0009-a-02-a-cc-ec-pb-l3-nn-fw
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	HCS Drive Controller
Communication Interface	SERCOS III master, PROFIBUS
Encoder Interface	IndraDyn Hiperface/EnDat 2.1/2.2
Cooling Method	Air, internal (through integrated blower)
IP Rating	IP20
Mains Voltage	3 x AC 110-230 V ±10%
Device Peak Current	9 A

Description

The Bosch Rexroth HCS01.1E-W0009-A-02-A-CC-EC-PB-L3-NN-FW is a high-performance drive controller from the IndraDrive Cs series, engineered for precise motion control in industrial automation applications. This model features a SERCOS III master communication interface, enabling seamless cross-communication between devices. It supports PROFIBUS connectivity, facilitating integration into existing industrial networks. The controller is equipped with an IndraDyn encoder interface compatible with Hiperface and EnDat 2.x protocols, ensuring accurate position feedback. Safety is paramount with the inclusion of Safe Torque Off (STO) functionality, which immediately removes torque to prevent unintended motion during maintenance or emergencies. Designed for efficient cooling, the unit utilizes internal air cooling through an integrated blower, maintaining optimal operating temperatures. With an IP20 protection rating, it is suitable for installation in controlled environments. The controller operates on a three-phase AC mains voltage of 110-230 V ±10%, accommodating a wide range of industrial power systems. It delivers a peak current of 9 A, meeting the demands of high-performance applications. Firmware for this model must be ordered separately as a

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sub-position, allowing for customization and updates as needed. This drive controller is ideal for applications requiring precise motion control, robust safety features, and reliable performance in industrial settings.

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