HCS011E-W0008-A-03-A-CC-EC-PB-S4-NN-FW

Industrial automation components

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Manufacturer	Bosch Rexroth
Catalog number	hcs011e-w0008-a-03-a-cc-ec-pb-s4-nn-fw
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Single-Axis Drive Controller
Input Voltage	3 x AC 200...500 V ±10%
Peak Current	8 A
Communication Interface	SERCOS III master
Encoder Interface	IndraDyn Hiperface/EnDat 2.1/2.2
Cooling Method	Air, internal (through integrated blower)
Protection Rating	IP20
Mounting Height	Up to 1000 meters above sea level m

Description

The Bosch Rexroth HCS01.1E-W0008-A-03-A-CC-EC-PB-S4-NN-FW is a compact drive controller from the IndraDrive Cs series, designed for precise motion control in industrial automation applications. This single-axis converter integrates power and control units into a single, space-saving unit, offering a robust solution for demanding automation tasks. Key features include a three-phase AC input voltage range of 200 to 500 V ±10%, delivering a peak current of 8 A to the power stage. The controller supports SERCOS III master communication, facilitating high-speed data exchange between devices. It is equipped with dual encoder interfaces: IndraDyn Hiperface/EnDat 2.1/2.2, ensuring compatibility with a wide range of servo motors. The unit features an internal air cooling system, maintaining optimal operating temperatures without the need for external fans. With an IP20 protection rating, it is suitable for installation in environments where dust ingress is minimal. The compact design allows for mounting at elevations up to 1000 meters above sea level, making it versatile for various

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industrial settings. Firmware updates are available as separate subpositions, allowing for tailored system upgrades. This drive controller is ideal for applications requiring precise motion control, such as robotics, conveyor systems, and automated manufacturing processes.

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