HCS011E-W0018-A-03-A-CC-EC-PB-S4-NN-FW

Industrial automation components

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Manufacturer	Bosch Rexroth
Catalog number	hcs011e-w0018-a-03-a-cc-ec-pb-s4-nn-fw
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Manufacturer	Bosch Rexroth
Part Number	HCS01.1E-W0018-A-03-A-CC-EC-PB-S4-NN-FW
Product Type	HCS Drive Controller
Control Section Design	ADVANCED (A)
Cooling Method	Air, internal (through integrated blower)
IP Rating	IP20
Mains Voltage	3 x AC 200...500 V ±10%
Device Peak Current	18 A
Interface 1 Type	Encoder IndraDyn Hiperface/EnDat 2.1/2.2
Interface 2 Type	PROFIBUS

Description

The Bosch Rexroth HCS01.1E-W0018-A-03-A-CC-EC-PB-S4-NN-FW is a compact drive controller from the IndraDrive Cs series, designed for single-axis applications requiring precise motion control. This model integrates both power and control units into a single unit, offering a streamlined solution for industrial automation needs. It supports a three-phase power supply with voltages ranging from AC 200 to 500 V, accommodating a ±10% tolerance, and operates within a frequency range of 50 to 60 Hz. The controller delivers a peak current of 18 A, ensuring robust performance for demanding applications. Cooling is achieved through an internal blower, maintaining optimal operating temperatures. The device features an IP20 protection rating, indicating suitability for installation in environments

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with minimal exposure to dust and moisture. Communication interfaces include SERCOS III master for cross communication, and encoder interfaces supporting IndraDyn Hiperface/EnDat 2.1/2.2 protocols, facilitating seamless integration with compatible servo motors. The control section design is categorized as 'ADVANCED' (A), providing enhanced functionality and flexibility. Firmware for this model must be ordered separately, allowing for tailored configuration to meet specific application requirements. This drive controller is ideal for applications in industrial automation, machine tools, and packaging systems, where precise speed and torque control are essential.

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