

### HCS01.1E-W0009-A-02-B-ET-EC-PB-L4-NN-FW

Industrial automation components

<b>Manufacturer</b>	Bosch Rexroth
<b>Catalog number</b>	hcs011e-w0009-a-02-b-et-ec-pb-l4-nn-fw
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Brand</b>	Bosch Rexroth
<b>Part Number</b>	HCS01.1E-W0009-A-02-B-ET-EC-PB-L4-NN-FW
<b>Product Type</b>	Drive Controller
<b>Control Section Design</b>	BASIC
<b>Cooling Method</b>	Air, internal (through integrated blower)
<b>IP Rating</b>	IP20
<b>Mains Voltage</b>	3 x AC 110...230 V $\pm 10\%$
<b>Device Peak Current</b>	9 A
<b>Encoder Interface</b>	IndraDyn Hiperface/EnDat 2.1/2.2

### Description

The Bosch Rexroth HCS01.1E-W0009-A-02-B-ET-EC-PB-L4-NN-FW is a high-performance drive controller from the IndraDrive Cs series, engineered for precise motion control in industrial automation systems. Designed to operate with asynchronous motors, it offers seamless integration and reliable performance. Key features include a MultiEthernet communication interface, ensuring versatile connectivity, and an integrated blower for efficient internal air cooling, maintaining optimal operating temperatures. The controller supports encoder feedback systems such as IndraDyn Hiperface and EnDat 2.1/2.2, facilitating accurate position and speed monitoring. Safety functions like Safe Torque Off (STO) and Safe Brake Control (SBC) are incorporated to enhance operational safety. Operating on a three-phase AC mains voltage of 110–230 V  $\pm 10\%$ , it delivers a peak current of 9 A, suitable for demanding applications. With an IP20 protection rating, the controller is designed for installation in environments where protection against solid objects larger than 12 mm is sufficient. This drive controller is ideal for applications requiring precise motion control, such as robotics, packaging, and CNC machining, offering robust performance and safety features.