

### CSB01.1C-S3-ENS-NNN-NN-S-NN-FW

Industrial automation components

<b>Manufacturer</b>	Bosch Rexroth
<b>Catalog number</b>	csb011c-s3-ens-nnn-nn-s-nn-fw
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Legacy / discontinued

### Technical specification

<b>Manufacturer</b>	Bosch Rexroth
<b>Part Number</b>	CSB01.1C-S3-ENS-NNN-NN-S-NN-FW
<b>Product Type</b>	Control Unit
<b>Control Type</b>	Velocity, Current, Position
<b>Digital Inputs</b>	3
<b>Position Control Time</b>	500 & 1000 $\mu$ s
<b>Current Control Time</b>	125 $\mu$ s
<b>Velocity Control Time</b>	250 & 500 $\mu$ s
<b>Switching Frequencies</b>	8 kHz, 4 kHz, 2 kHz
<b>Communication Interface</b>	SERCOS III Interface
<b>Supported Encoders</b>	HiperFace, TLL, 1 Vpp, Indradyn

### Description

The Bosch Rexroth CSB01.1C-S3-ENS-NNN-NN-S-NN-FW is a high-performance control unit from the IndraDrive series, designed for precise control of velocity, current, and position in various motion control applications. This single-axis control unit is ideal for machine tools, packaging, food processing, and handling systems. It features a standard control panel and is configurable to meet specific application requirements. The unit operates with a 24 V control voltage and includes a DC bus connection, mains voltage, and a motor connection section. It supports multiple encoder options, including IndraDyn, Hiperface, 1 Vpp, and TTL, ensuring compatibility with a wide range of systems. The CSB01.1C-S3-ENS-NNN-NN-S-NN-FW utilizes the SERCOS III interface for communication, providing high-speed data exchange and synchronization. With an operating temperature range of 0 to 40 degrees Celsius and a relative humidity of 5 to 95%, it is suitable for diverse industrial environments. The unit's compact design and modular construction facilitate easy installation and maintenance, making it a reliable choice for demanding automation tasks.