

HCS01.1E-W0008-A-03-E-S3-EC-NN-NN-NN-FW

Industrial automation components

Manufacturer	Bosch Rexroth
Catalog number	hcs011e-w0008-a-03-e-s3-ec-nn-nn-nn-fw
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	0.54 kgs
Current	8 A
Signal Type	500
Relay Specifications	8 A
Voltage	200 - 500 V
Frequency	50 - 60 Hz
Product Type	Drive
Signal Level	500 V

Description

The Bosch Rexroth HCS01.1E-W0008-A-03-E-S3-EC-NN-NN-NN-FW is a compact drive controller designed for single-axis applications, offering a robust solution for industrial automation systems. This model operates with a 3-phase AC input voltage ranging from 200 to 500 V $\pm 10\%$, delivering a peak current of 8 A. It features an ECONOMY control section design, utilizing internal air cooling through an integrated blower to maintain optimal operating temperatures. The device communicates via the SERCOS III interface, ensuring high-speed data exchange and synchronization. It supports encoder feedback through IndraDyn Hiperface and EnDat 2.1/2.2 protocols, facilitating precise motion control. The controller includes eight digital inputs, a 10V 14-bit analog input, and a DC bus connection, providing versatile connectivity options. Integrated safety functions such as Safe Torque Off (STO) and Safe Brake Control (SBC) enhance operational safety. With an IP20 protection rating, the device is suitable for installation in standard control cabinets. Its compact dimensions of 345 mm in height, 65 mm in width, and 270 mm in depth make it ideal for space-constrained environments. The operating temperature range is from -10°C to 40°C , accommodating various industrial settings. Firmware for this model must be ordered separately, allowing for customization based on specific application requirements.