HCS011E-W0018-A-02-B-ET-EC-PB-NN-NN-FW

Industrial automation components

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Manufacturer	Bosch Rexroth
Catalog number	hcs011e-w0018-a-02-b-et-ec-pb-nn-nn-fw
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Bosch Rexroth
Part Number	HCS01.1E-W0018-A-02-B-ET-EC-PB-NN-NN-FW
Product Type	Drive Controller
Input Voltage	3 x AC 110–230 V ±10%
Device Peak Current	18 A
Communication Interface	MultiEthernet
Encoder Interface	IndraDyn, Hiperface, EnDat 2.1/2.2
Cooling Method	Air, internal (through integrated blower)
Protection Class	IP20
Operating Temperature Range	0 to 40°C
Altitude Range	Up to 1000 meters m

Description

The Bosch Rexroth HCS01.1E-W0018-A-02-B-ET-EC-PB-NN-NN-FW is a compact drive controller from the HCS IndraDrive Controllers series, designed for precise motor control in industrial automation applications. Operating on a three-phase AC input voltage of 110–230 V ±10%, it delivers a peak output current of 18 A, making it suitable for power-intensive tasks. The controller features a MultiEthernet communication interface and supports PROFIBUS, ensuring versatile connectivity. It includes encoder interfaces compatible with IndraDyn, Hiperface, and EnDat 2.1/2.2, facilitating

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precise position feedback. Cooling is achieved through an internal blower, and the device is housed in an IP20-rated enclosure, suitable for environments with ambient temperatures ranging from 0 to 40°C at altitudes up to 1000 meters. Firmware must be ordered separately, and the control section design is marked as BASIC. This drive controller is ideal for applications requiring reliable and efficient motor control, such as material handling and robotics.