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Data Sheet

August 15, 2026

BOSCH REXROTH

Bosch Rexroth HCS02.1E-W0028-A-03-NNNN IndraDrive Power Module

The Bosch Rexroth HCS02.1E-W0028-A-03-NNNN is an IndraDrive power module designed for industrial automation applications. It provides the necessary power for driving motors and other components in a Rexroth IndraDrive system. This module ensures efficient and reliable power supply for demanding applications.



MODEL

**Bosch Rexroth
HCS02.1E-W0028-
A-03-NNNN**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

**HCS02.1E-W0028-
A-03-NNNN**

LISTING

[https://aumictechlabs.c
om/products/hcs02-1e-
w0028-a-03-nnnn-2/](https://aumictechlabs.com/products/hcs02-1e-w0028-a-03-nnnn-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Bosch Rexroth HCS02.1E-W0028-A-03-NNNN is a compact IndraDrive power module engineered for precision motor control in industrial automation systems. This drive controller delivers 4 kW typical motor capacity across a 1.5–11 kW power range, supporting three-phase AC mains from 200–500 V at 50/60 Hz. The module achieves up to 96% efficiency with >0.95 power factor and tolerates 2.5× overload capacity, making it suitable for servo applications, machine tools, handling systems, and packaging equipment. Technical Specifications Input: 3-phase AC 200–500 V ±10% at 50/60 Hz Rated Input Current (ILN): 13.0 A Continuous Output Current: 12.0 A Peak Current: 28.0 A Output Voltage: 3-phase AC 0–530 V Short Circuit Current Rating: 42,000 A

rms Efficiency: Up to 96% Power Factor: >0.95 Overload Capacity: 2.5× Wire Gauge (Branch Circuit): 12 AWG per NFPA 79 and UL 508 A Key Features Air-cooled with forced ventilation axial fans IP20 enclosure rating Drive-integrated safety technology Motor temperature monitoring connection (X6) Motor holding brake connection (X6) Braking resistor connection (X9) Compact form factor: 260 × 110 × 58 mm Interfaces and Connectivity RS232 and CANopen communication ports Ethernet-based communications Multi-protocol support On-board digital inputs/outputs and analog signals Encoder system connections Module bus (X1), mains (X3), and motor connections (X5) 24 V control voltage supply Shield connections for control (XS1) and motor cables (XS2) Typical Applications Servo-driven machinery, CNC machine tools, packaging automation, industrial material handling, and multi-axis motion control systems.

HCS021EW0028A03NNNN Characteristics / Specifications

PARAMETER	VALUE
Model	HCS02.1E-W0028-A-03-NNNN
Instrument Type	IndraDriveCcompact converter power section
Family	Bosch Rexroth IndraDriveCHCS02
Maximum Current	28.3 A
Continuous Current	12 A
Typical Motor Rating	4 kW
Family Power Range	1.5 to 11 kW across HCS02 line
Mains Three Phase	3 AC 200-500 V ± 10 percent
Mains Single Phase	1 AC 200-250 V
Mains Frequency	50/60 Hz
Power Supply Continuous Current	13 A
Output Voltage	approximately UDC times 0.71, 3 AC
Dc Bus Voltage	mains voltage times 1.41 V DC
Overload Class	2.5x overload capacity (family)
Cooling	air, internal through integrated blower
Protection	IP20
Energy Direction	infeeding
Internal Control Voltage	24 V DC (not for motor holding brake)
External Control Voltage	24 V DC ± 20 percent (24 ± 5 percent when supplying holding brake)
Control Slot	mounting slot for single-axis control unit (CSH class)
Design	design 1, other design none (NNNN)
Mains Connective	AC 200 to 500 V ± 10 percent (Artisan/OEM type-code decode)
Manufacturer	Bosch Rexroth Indramat
Literature	Bosch Rexroth IndraDriveCHCS02 comparison table and HCS02.1E-W0028 type-code listings

PARAMETER	VALUE
Application Class	single-axis servo power conversion

HCS021EW0028A03NNNN Specifications

PARAMETER	VALUE
Key Features	IndraDrive C HCS02 infeeding power section
IP20 internal blower cooling	24 V control voltage internal or external
Technical Specifications	Model: HCS02.1E-W0028-A-03-NNNN

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes

From Bosch Rexroth IndraDriveCHCS02 comparison table (W0028 row: 12 A continuous, 28.3 A max, 4 kW typical) and HCS02.1E-W0028-A-03-NNNN type-code listings. Switching-frequency derating and exact DC-bus kW with/without choke belong on the project planning manual; do not invent them.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.