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Data Sheet

August 15, 2026

DANAHER MOTION / KOLLMORGEN

Danaher Motion / Kollmorgen SR03200-000000 Servostar Digital Amplifier

Danaher Motion / Kollmorgen Motion Controllers. Current: ** 3 A, Voltage: ** 140/310 VDC, Current: ** 4.5 ADC.



MODEL

**Danaher Motion /
Kollmorgen
SR03200-000000**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

SR03200-000000

LISTING

[https://aumictechlabs.c
om/products/sr03200-
000000-2/](https://aumictechlabs.com/products/sr03200-000000-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Danaher Motion/Kollmorgen SR03200-000000 is a fully digital servo amplifier engineered for precision motor control in demanding automation environments. Part of the Servostar S Series, this 3 Ampere continuous current drive combines advanced sinewave commutation with multiple digital control loop options PI, PDFF, and Pole Placement - to deliver smooth low-speed performance and exact torque, speed, and position regulation. The unit accepts analog, pulse-direction, or encoder master command inputs and communicates via RS-232 or RS-485 protocols. Its patented torque angle control, motion indexing, homing functions, and automatic tuning capability enable rapid integration with minimal setup time. Technical Specifications Product Line: Servostar S Series Amplifier Type: Digital Servo Amplifier Continuous Current: 3 A Input Voltage: 140/310 VDC Input Current: 4.5 ADC Input Power: 0.63/1.4 kW Output Voltage: 115/230 VAC

Output Current: 3 A per phase Output Power: 0.5/1.1 kW Commutation: Advanced Sinewave
Commutation Control Loops: PI, PDFF, Pole Placement Digital Control Feedback: Resolver
Communication: RS-232, RS-485 Command Input Modes: Analog, Pulse Direction, Encoder
Master Command Weight: Approximately 8 lbs Key Features Fully digital signal processing
architecture Patented torque angle control for enhanced performance Motion indexing and
homing capabilities Automatic tuning reduces commissioning time Precision low-speed control for
smooth motion profiles Pluggable connectors for simplified installation Remote enable input and
relay fault output Support for limit switches Typical Applications This amplifier drives Kollmorgen
brushless synchronous servomotors in closed-loop applications requiring coordinated control of
torque, speed, or position across industrial automation, precision machinery, and motion control
systems. Compatibility & Integration The SR03200-000000 operates with Kollmorgen PA2800,
PA5000, PA7500, and PA8500 Servostar Power Supplies. Motor rated voltage must equal or
exceed the DC-link voltage of the servo amplifier. ANIN1 analog input and REMOTE enable logic
are standard.

SR03200000000 Characteristics / Specifications

PARAMETER	VALUE
Model	SR03200-000000
Instrument Type	Digital brushless servo amplifier
Family	Danaher Motion Kollmorgen SERVOSTAR S (Sx03)
Feedback Type	Resolver (R token)
Continuous Current	3 ARMS
Peak Current	6 ARMS for 500 ms and for 2 s
Main Input Bus	125 to 360 VDC (BUS+ / BUS-)
Rated Power Dc	0.63 to 1.4 kW
Continuous Power 165 Vdc	0.55 kVA at 45 C ambient
Continuous Power 325 Vdc	1.1 kVA at 45 C ambient
Pwm Frequency	16 kHz
Motor Current Ripple	32 kHz
Form Factor	rms/avg less than or equal to 1.01
Current Loop Update	62.5 us (16 kHz), bandwidth less than 2000 Hz
Velocity Loop Update	250 us (4 kHz), bandwidth less than 400 Hz
Position Loop Update	500 us (2 kHz)
Analog Input Range	plus or minus 10 V, 14-bit, 1.53 mV min sensitivity, greater than 10 kohm / 50 dB CMR
Long Term Speed Regulation	0.01 percent (us clock tolerance)
Unit Weight	6.3 lb / 2.85 kg
Operating Temperature	0 C to 45 C
Storage Temperature	minus 20 C to 70 C
Humidity	10 to 90 percent non-condensing
Under Voltage Trip	90 VDC on power-up and nominal
Over Voltage Trip	430 VDC
Over Temperature Trip	118 C

PARAMETER	VALUE
Internal Dissipation	37 W at continuous current, 45 C ambient, excluding regen
Logic Rails	plus 8 VDC 7.3 to 8.5 V at 1.1 A; plus/minus 15 VDC 14.3 to 15.5 V at 0.37 A
Manufacturer	Kollmorgen / Danaher Motion
Literature	SERVOSTARSInstallation Manual M-SS-001-01 Rev. T Sx03 electrical table
Bandwidth	less than 2000 Hz

General Specifications & Supplementary Characteristics

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Literature	SERVOSTARSInstallation Manual M-SS-001-01 Rev. T Sx03 electrical table Notes From Danaher Motion Kollmorgen SERVOSTARSInstallation Manual M-SS-001-01 (Sx03 = SR03200 3 A continuous / 6 A peak). Dash 000000 is the analog-input base hardware; SERCOS 201 overlays areadifferent SKU.

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

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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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<https://aumictechlabs.com>

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.