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Data Sheet

August 15, 2026

KOLLMORGEN/DANAHER MOTION

Danaher Motion / Kollmorgen SR30200-Y012 Servostar Digital Amplifier

Kollmorgen/Danaher Motion Motion Controllers. Current: ** 30 A, Current: ** 60 A, Voltage: ** 230 VAC per phase.



MODEL

Kollmorgen/Danaher Motion SR30200-Y012

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

SR30200-Y012

LISTING

<https://aumictechlabs.com/products/sr30200-y012-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kollmorgen SR30200-Y012 Servostar Digital Amplifier is a fully digital servo drive engineered for precision motion control in industrial automation systems. Operating at 30 A continuous and 60 A peak output current with 11 kW power delivery, this amplifier combines advanced sinewave commutation technology with selectable control algorithms PI, PDFF, and Pole Placement - to achieve smooth low-speed control and high-speed performance across demanding applications. The drive accepts resolver feedback as standard and supports analog, pulse direction, or encoder master command inputs, with velocity loop bandwidth reaching 170 Hz. Self-tuning capabilities and integrated motion indexing functions simplify commissioning. Built for switchgear cabinet installation in industrial environments, the SR30200-Y012 meets UL/cUL 508C and EC EMC/Low Voltage directives. Technical Specifications Continuous Output Current: 30 A Peak Output

Current: 60 A Output Power: 11 kW Output Voltage: 230 VAC per phase Input Voltage (DC Bus): 310 VDC Input Current (DC Bus): 43 ADC Velocity Loop Bandwidth: Up to 170 Hz Firmware Version: 2.1.1 Shipping Weight: ~20 lbs Key Features Sinewave commutation for precision torque control across speed range Patented torque angle control with balanced current loop sensing Selectable control architectures: PI, PDFF, and Pole Placement algorithms Resolver feedback standard; multiple master command signal compatibility Integrated motion indexing and homing functions Automatic load tuning for accelerated setup RS-232 and RS-485 serial communication ports UL/cUL 508C certified; tested to EN55011, EN61000-4-2, EN61000-4-5 Typical Applications Precision industrial servo systems requiring deterministic motion control, closed-loop torque regulation, and multi-axis coordination in factory automation environments. Compatibility & Integration Designed to drive brushless synchronous servo motors with resolver feedback. Accepts analog, pulse direction, and encoder command signals. Operates within closed switchgear cabinets under defined industrial ambient conditions.

SR30200Y012 Characteristics / Specifications

PARAMETER	VALUE
Model	SR30200-Y012
Instrument Type	Digital brushless servo amplifier
Family	Danaher Motion Kollmorgen SERVOSTAR S (Sx30)
Feedback Type	Resolver (R token)
Continuous Current	30 ARMS
Peak Current	60 ARMS for 500 ms and for 2 s
Main Input Bus	260 to 360 VDC
Rated Power Dc	13.33 kW
Continuous Power 325 Vdc	11 kVA at 45 C ambient
Pwm Frequency	8 kHz
Motor Current Ripple	16 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)
Position Loop Update	500 us (2 kHz)
Analog Input Range	plus or minus 10 V, 14-bit
Fault Relay	1 A at 24 VDC
Unit Weight	11.5 lb / 5.2 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 Powerup	255 VDC
Under Voltage Trip Nominal	125 VDC
Over Voltage Trip	430 VDC
Over Temperature Trip	90 C

PARAMETER	VALUE
Internal Dissipation	254 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 0.47 A
Clearance Top Bottom	2.5 in (63.5 mm)
Manufacturer	Kollmorgen / Danaher Motion
Literature	SERVOSTARSInstallation Manual M-SS-001-01 Sx30 electrical table
Bandwidth	less than 2000 Hz

General Specifications & Supplementary Characteristics

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Storage temperature	minus 20 C to 70 C
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Manufacturer	Kollmorgen / Danaher Motion
Literature	SERVOSTARSInstallation Manual M-SS-001-01 Sx30 electrical table Notes From Danaher Motion Kollmorgen SERVOSTARSInstallation Manual M-SS-001-01 (Sx30 = SR30200 30 A / 60 A peak, 13.33 kW). Y012 isa/firmware/hardware overlay; confirm firmware 2.x on the installed unit.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<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.