

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

KOLLMORGEN

Danaher Motion / Kollmorgen SERVOSTAR 614-AS Digital Servo Amplifier

The Kollmorgen SERVOSTAR 614-AS is a digital servo amplifier designed for high-performance motion control applications. It provides precise and reliable control of servo motors, ensuring accurate positioning and smooth operation. Ideal for industrial automation and robotics.



MODEL

**Kollmorgen
SERVOSTAR 614-
AS**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

**SERVOSTAR 614-
AS**

LISTING

<https://aumictechlabs.com/products/servostar-614-as-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kollmorgen SERVOSTAR 614-AS is a fully digital servo amplifier for motion control in industrial automation and robotics. It combines advanced closed-loop velocity control with configurable analog and digital I/O, multiple communication protocols, and a compact form factor optimized for space-constrained installations. Technical Specifications Power & Electrical AC input: 400–480 V three-phase, 50/60 Hz Auxiliary supply: 24 VDC (–0% +15%) Power supply capacity: 10 kVA Current rating: 14 A Nominal current range: 1.5–70 A (SERVOSTAR 600 series) Switching frequency: 8 kHz Maximum closed-loop velocity bandwidth: 400 Hz Environmental & Operating Conditions Operating temperature: 0–40 °C (rated); derating to +55 °C Ambient humidity: 85% relative humidity, no condensation Altitude rating: Up to 1000 m unrestricted; 1000–2500 m with

1.5%/100 m power derating Pollution level: Level 2 per EN 60664-1 Vibration class: 3M1 per IEC 60721-3-3 Noise emission: Max. 45 dB(A) Enclosure: IP 20 per EN60529 Mounting: Vertical orientation with forced-convection cooling Timing & Signal Response Maximum starting delay: 2 ms Digital output response time: 10 ms Minimum addressing time: 4 ms Cabling Motor cables: Up to 25 m standard; 25–100 m with motor choke Motor cable capacitance: <150 pF/m DC bus/AC connection cable: 4 mm² (12 AWG) for SERVOSTAR 614/620 Key Features Fully digital servo control with 400 Hz closed-loop bandwidth Two configurable analog inputs and outputs; four digital inputs and two digital outputs Overvoltage protection: 1000 V peak (periodic), 2000 V peak (transient, outer to housing) Extended motor cable distances supported via optional choke configuration Typical Applications Multi-axis robotic systems, precision industrial automation, coordinated motion control requiring fast response times and extensive I/O flexibility. Compatibility & Integration Supports RS-232, CANopen, PROFIBUS, SERCOS, and SSI interfaces. Optional expansion cards enable DeviceNet, Ethernet, and EtherCAT connectivity. Compatible with grounded three-phase industrial mains (TN and TT systems) up to 480 VAC.

Features & description

From manufacturer datasheet

Built-in brake chopper

Integrated CANopen default 500 kBaud RS232 and pulse/direction Technical Specifications Model: SERVOSTAR 614 Also Known As: SERVOSTAR 614-AS Instrument Type: digital servo amplifier Rated Output Current: 14 Arms plus or minus 3 percent Peak Output Current: 28 Arms for 5 s plus or minus 3 percent Rated Installed Power: 10 kVA at 480 V S1 Mains Voltage 60 Hz: 3 × 208 V minus 10 percent to 480 V plus 10 percent Mains Voltage 50 Hz: 3 × 230 V minus 10 percent to 480 V plus 10 percent Dc Link Voltage: 260 to 675 V Continuous Regen Internal: 200 W Continuous Regen External Max: 1.5 kW Peak Regen External Max: 21 kW Body Width: 100 mm Height Without Connectors: 275 mm Depth: 265 mm (273 mm with connectors) Dissipation At Rated Current: 160 W (GoldLine BH catalog S614 column) Auxiliary Supply: 24 VDC isolated Canopen Default: 500 kBaud Protection Rating: IP20 Overvoltage Category: III per EN 61800-5-1 Output Stage Frequency: 8 kHz (16 kHz with VDCmax 400 V on 600 hardware summaries) Operating Temperature Full Load: 0 to 45 C Family Current Ratings: 601 1.5 A, 603 3 A, 606 6 A, 610 10 A, 614 14 A, 620 20 A Current Loop Update Family: 62.5 us Manufacturer: Kollmorgen / Danaher Motion Notes From Kollmorgen SERVOSTAR 600 rated-data tables (614 column) and SERVOSTAR 600 size table (100 mm width for 614). 614-AS is the same current rating with the AS option suffix; confirm installed expansion cards on the nameplate.

SERVOSTAR614AS Characteristics / Specifications

PARAMETER	VALUE
Model	SERVOSTAR 614
Also Known As	SERVOSTAR 614-AS
Instrument Type	digital servo amplifier
Rated Output Current	14 Arms plus or minus 3 percent
Peak Output Current	28 Arms for 5 s plus or minus 3 percent
Rated Installed Power	10 kVA at 480 V S1
Mains Voltage 60 Hz	3 × 208 V minus 10 percent to 480 V plus 10 percent
Mains Voltage 50 Hz	3 × 230 V minus 10 percent to 480 V plus 10 percent
Dc Link Voltage	260 to 675 V
Continuous Regen Internal	200 W
Continuous Regen External Max	1.5 kW
Peak Regen External Max	21 kW
Body Width	100 mm
Height Without Connectors	275 mm
Depth	265 mm (273 mm with connectors)
Dissipation At Rated Current	160 W (GoldLine BH catalog S614 column)
Auxiliary Supply	24 VDC isolated
Canopen Default	500 kBaud
Protection Rating	IP20
Overvoltage Category	III per EN 61800-5-1
Output Stage Frequency	8 kHz (16 kHz with VDCmax 400 V on 600 hardware summaries)
Operating Temperature Full Load	0 to 45 C
Family Current Ratings	601 1.5 A, 603 3 A, 606 6 A, 610 10 A, 614 14 A, 620 20 A
Current Loop Update Family	62.5 us
Manufacturer	Kollmorgen / Danaher Motion

PARAMETER	VALUE
Operating temperature	Full Load: 0 to 45 C

SERVOSTAR614AS Specifications

PARAMETER	VALUE
Kollmorgen Danaher SERVOSTAR 614 Digital Servo Amplifier	Overview
Applications	Industrial synchronous, linear, and asynchronous servo axes on worldwide 208-480 VAC three-phase mains with DC-bus sharing.
Key Features	14 Arms continuous 28 Arms peak
Integrated CANopen default 500 kBaud	RS232 and pulse/direction
Technical Specifications	Model: SERVOSTAR 614

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Full Load: 0 to 45 C
Operating Temperature	Full Load: 0 to 45 C
Operating Temperature Full Load	0 to 45 C
Family Current Ratings	601 1.5 A, 603 3 A, 606 6 A, 610 10 A, 614 14 A, 620 20 A
Current Loop Update Family	62.5 us
Manufacturer	Kollmorgen / Danaher Motion Notes From Kollmorgen SERVOSTAR 600 rated-data tables (614 column) and SERVOSTAR 600 size table (100 mm width for 614). 614-AS is the same current rating with the AS option suffix; confirm installed expansion cards on the nameplate.

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	
Specifications	
PARAMETER	VALUE
Model	SERVOSTAR 614
Also Known As	SERVOSTAR 614-AS
Instrument Type	digital servo amplifier
Rated Output Current	14 Arms plus or minus 3 percent
Peak Output Current	28 Arms for 5 s plus or minus 3 percent
Rated Installed Power	10 kVA at 480 V S1
Mains Voltage 60 Hz	3 x 208 V minus 10 percent to 480 V plus 10 percent
Mains Voltage 50 Hz	3 x 230 V minus 10 percent to 480 V plus 10 percent
Dc Link Voltage	260 to 675 V
Continuous Regen Internal	200 W
Continuous Regen External Max	1.5 kW
Peak Regen External Max	21 kW
Body Width	100 mm
Height Without Connectors	275 mm
Depth	265 mm (273 mm with connectors)
Dissipation At Rated Current	160 W (GoldLine BH catalog S614 column)
Auxiliary Supply	24 VDC isolated
Canopen Default	500 kBaud
Protection Rating	IP20
Overvoltage Category	III per EN 61800-5-1
Output Stage Frequency	8 kHz (16 kHz with VDCmax 400 V on 600 hardware summaries)
Operating Temperature Full Load	0 to 45 C
Family Current Ratings	601 1.5 A, 603 3 A, 606 6 A, 610 10 A, 614 14 A, 620 20 A
Current Loop Update Family	62.5 us
Manufacturer	Kollmorgen / Danaher Motion

Notes

From Kollmorgen SERVOSTAR 600 rated-data tables (614 column) and SERVOSTAR 600 size table (100 mm width for 614). 614-AS is the same current rating with the AS option suffix; confirm installed expansion cards on the nameplate.

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
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.