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Data Sheet

August 15, 2026

DANAHER MOTION / KOLLMORGEN

Danaher Motion / Kollmorgen Servostar 346 Servo Amplifier

The Danaher Motion / Kollmorgen Servostar 346 is a servo amplifier designed for precise motor control in industrial automation applications. It provides reliable and efficient performance, ensuring accurate positioning and speed control.



MODEL

**Danaher Motion /
Kollmorgen
Servostar 346**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

Servostar 346

LISTING

[https://aumictechlabs.c
om/products/servostar-
346-2/](https://aumictechlabs.com/products/servostar-346-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kollmorgen Servostar 346 is a digital servo amplifier from the Servostar 300 series, engineered for precision motor control in industrial automation. It delivers continuous output current of 6 A RMS with peak capability of 12 A for up to 5 seconds, supported by an 8 kHz switching frequency and 1.2 kHz current controller bandwidth. The drive accepts three-phase AC input from 208–480 V $\pm 10\%$ at 50/60 Hz, with rated continuous input power of 5 kVA and maximum DC bus link voltage of 900 V. Technical Specifications Input Supply: 208–480 V AC (3-phase, $\pm 10\%$), 50/60 Hz Rated Input Power: 5 kVA continuous Output Current: 6 A RMS continuous; 12 A peak (5 second duration) DC Bus Voltage: Maximum 900 V Switching Frequency: 8 kHz Current Controller Bandwidth: 1.2 kHz Switch Cycles: 30 per hour maximum Enclosure

Rating: IP20 Dimensions: 70 mm W × 246 mm H × 171 mm D (without connectors); <235 mm D (with connectors) Cabinet Compatibility: 200 mm switchgear cabinets Key Features Supports EtherCAT, CANopen, and SERCOS communication protocols Optional DeviceNet and PROFIBUS DP interfaces 14 digital inputs for motion task selection and execution 8 digital outputs for drive status reporting Single analog input (ANIN1) and fault output relay Remote enable and limit switch inputs AS-Enable input for power stage inhibition Encoder feedback compatibility: Resolver, Comcoder, SinCos, ROD426 emulation, and SSI (Gray/binary) Available with integrated cooling fan (model suffix -FAN) Parallel DC bus connection capability (up to 40 A total for Servostar 341–346 units) Typical Applications Precision positioning, speed control, and motor drive applications in factory automation, machine tools, and industrial motion systems requiring multi-protocol communication and flexible encoder support. Compatibility & Integration The Servostar 346 connects to distributed control networks via EtherCAT, CANopen, or SERCOS. Parallel connection of multiple units on the DC bus supports higher current demands. Cable requirements for parallel connections: unshielded single cores (2.5 mm²) with maximum length of 200 mm; shielded cables recommended for longer runs.

SERVOSTAR346 Characteristics / Specifications

PARAMETER	VALUE
Model	SERVOSTAR 346
Order Code	S30601-NA
Instrument Type	digital servo amplifier
Rated Supply	3 × 208 V minus 10 percent to 480 V plus 10 percent 50/60 Hz
Rated Installed Load	5 kVA at 400 V
Switch On Off Frequency	30 per hour
Max Dc Bus	900 V
Rated Current At 3×208 V	6 Arms plus or minus 3 percent
Rated Current At 3×230 V	6 Arms plus or minus 3 percent
Rated Current At 3×400 V	6 Arms plus or minus 3 percent
Rated Current At 3×480 V	6 Arms plus or minus 3 percent
Peak Output Current	12 Arms for about 5 s plus or minus 3 percent
Output Stage Clock	8 kHz, 16 kHz with 50 percent derating
Du Dt At 3×208 V	3.0 kV/us
Du Dt At 3×480 V	6.9 kV/us
Overvoltage Threshold 230 V	455 V
Overvoltage Threshold 400 V	800 V
Overvoltage Threshold 480 V	900 V
Min Motor Inductance 3×480 V	6.7 mH
Current Controller Bandwidth	greater than 1.2 kHz
Residual Voltage Drop	5 V at rated current
Quiescent Dissipation	12 W
Dissipation At Rated Current	90 W
Mass	2.7 kg
Width	70 mm

PARAMETER	VALUE
Depth Without With Connectors	171 mm / less than 230 mm
Power Connector	Power-Combicon 4 mm ² , 16 A, 1000 V
Auxiliary Supply	20 to 30 V isolated
Manufacturer	Kollmorgen / Danaher Motion
Family	SERVOSTAR 300 S341/S343/S346
Bandwidth	greater than 1.2 kHz

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 Kollmorgen SERVOSTAR 300 Instructions Manual technical data 230-480 V table, S346 column (S30601). Peak current applies across 3x208 to 3x480 V.

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>

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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.