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Data Sheet

August 15, 2026

DANAHER MOTION / KOLLMORGEN

Danaher Motion / Kollmorgen ROL-20012-0000 Line Operated Analog Amplifier

The Danaher Motion/Kollmorgen ROL-20012-0000 is a line-operated analog amplifier designed for precise control of motion systems. It provides reliable performance in demanding industrial environments. This amplifier offers a straightforward interface for easy integration and setup.

**MODEL****Danaher Motion /
Kollmorgen ROL-
20012-0000****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****ROL-20012-0000****LISTING**[https://aumictechlabs.c
om/products/rol-20012
-0000-2/](https://aumictechlabs.com/products/rol-20012-0000-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Danaher Motion / Kollmorgen ROL-20012-0000 is a line-operated analog amplifier engineered for precise motion control in industrial automation systems. This brushless servo drive delivers 12 ADC continuous output current with 25 ADC peak capability, operating across AC and DC input ranges with integrated regenerative power dissipation and switch-selectable commutation modes. Technical Specifications Input Voltage: 90–130 VAC or 135–190 VDC Main Bus Voltage Range: 30–130 VAC Continuous Output Current (40°C): 12 ADC Peak Output Current: 25 ADC (up to 2 seconds) PWM Switching Frequency: 22 kHz ± 15% Regen Power Dissipation (continuous): 30 W Regen Trip Voltage: 195 VDC Minimum Motor Lead Inductance: 250 µH Shunt Regulator Current (peak): 20 ADC Line Frequency: 47–63 Hz Predictability: 0.2% full scale Highest Usable

Frequency: 125 kHz Differential Input: ± 10 V Commutation: Switch selectable 60° or 120° Motor Lead Current: 1 ADC = 1/1.22 amps RMS/Phase Dimensions: 94 × 187 × 108 mm (3.70 × 7.35 × 4.25 in) Operating Temperature: 0°C to 40°C Key Features Integral regenerative power dissipation unit High linearity analog control Compact footprint for space-constrained installations User-selectable operation modes Differential analog input interface Protected standard design for reliable industrial operation Typical Applications Motion control and power stabilization in industrial automation, servo drive systems requiring line-operated analog amplification with regenerative capability. Compatibility & Integration Part of the Kollmorgen Silverline Brushless Servo Drives series. Accepts differential input signals and supports selectable commutation modes for flexible integration into existing motion control architectures.

ROL200120000 Characteristics / Specifications

PARAMETER	VALUE
Model	ROL-20012-0000
Instrument Type	Line operated analog servo amplifier
Family	Kollmorgen / Danaher ROL-20012
Configuration Suffix	0000
Manufacturer	Kollmorgen / Danaher Motion
Literature	Kollmorgen ROL-20012-0000 line-operated analog amplifier listings
System Role	analog servo axis drive
Sibling Digital	SERVOSTAR SR03200 / SR30200 digital amplifiers
Command Class	analog plus or minus 10 V (data sheet)
Bus Class	line-operated rectified DC bus on the ROL sheet
Current Class	continuous/peak amps on the ROL-20012 sheet
Motor Class	brush/brushless per ROL sheet
Protection Class	foldback/OVT on the sheet
Operating Temperature Class	cabinet ambient on the sheet
Form Factor	panel analog servo amplifier
Brand Lineage	Kollmorgen / Danaher Motion
Documentation Type	ROL-20012-0000 listing
Ate Class	analog servo amp
Host Class	analog motion controller
Year Class	ROL-20012-0000
Use Case	simple analog servo axis
Feedback Class	tach/current loop on the sheet
Cooling Class	heatsink/fan on the sheet
Connector Class	line, motor, command terminals
Pwm Class	PWM/linear output on the sheet Notes From Kollmorgen ROL-20012-0000 line-operated analog amplifier listings. Bus volts and

PARAMETER	VALUE
	continuous/peak amps are on the ROL-20012 data sheet; do not copy SERVOSTAR Sx03/Sx30 numbers onto ROL-20012.
Operating temperature	Class: cabinet ambient on the sheet

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: cabinet ambient on the sheet
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Operating Temperature Class	cabinet ambient on the sheet
Form Factor	panel analog servo amplifier
Brand Lineage	Kollmorgen / Danaher Motion
Documentation Type	ROL-20012-0000 listing
Ate Class	analog servo amp
Host Class	analog motion controller
Year Class	ROL-20012-0000
Use Case	simple analog servo axis
Feedback Class	tach/current loop on the sheet
Cooling Class	heatsink/fan on the sheet
Connector Class	line, motor, command terminals
Pwm Class	PWM/linear output on the sheet Notes From Kollmorgen ROL-20012-0000 line-operated analog amplifier listings. Bus volts and continuous/peak amps are on the ROL-20012 data sheet; do not copy SERVOSTAR Sx03/Sx30 numbers onto ROL-20012.

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	R0L-20012-0000
Instrument Type	Line operated analog servo amplifier
Family	Kollmorgen / Danaher R0L-20012
Configuration Suffix	0000
Manufacturer	Kollmorgen / Danaher Motion
Literature	Kollmorgen R0L-20012-0000 line-operated analog amplifier listings
System Role	analog servo axis drive
Sibling Digital	SERVOSTAR SR03200 / SR30200 digital amplifiers
Command Class	analog plus or minus 10 V (data sheet)
Bus Class	line-operated rectified DC bus on the R0L sheet
Current Class	continuous/peak amps on the R0L-20012 sheet
Motor Class	brush/brushless per R0L sheet
Protection Class	foldback/OVT on the sheet
Operating Temperature Class	cabinet ambient on the sheet
Form Factor	panel analog servo amplifier
Brand Lineage	Kollmorgen / Danaher Motion
Documentation Type	R0L-20012-0000 listing
Ate Class	analog servo amp
Host Class	analog motion controller
Year Class	R0L-20012-0000
Use Case	simple analog servo axis
Feedback Class	tach/current loop on the sheet
Cooling Class	heatsink/fan on the sheet
Connector Class	line, motor, command terminals
Pwm Class	PWM/linear output on the sheet

Notes

From Kollmorgen ROL-20012-0000 line-operated analog amplifier listings. Bus volts and continuous/peak amps are on the ROL-20012 data sheet; do not copy SERVOSTAR Sx03/Sx30 numbers onto ROL-20012.

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