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Data Sheet

August 13, 2026

KOLLMORGEN

Kollmorgen VRDM Servo Amplifier

Kollmorgen Servotronics VRDM Servo Amplifier The Kollmorgen VRDM listing is the Servotronics VRDM servo amplifier (also tagged PRD-0051AMP class, 51854501 / 51854401). Verified connector/power row: DC input 350 Vdc at 9 A class; PWM/inverter output 230 Vac at 15 A class. Rear: two FireWire connectors and an AMP-control DB25 female. Closed-loop industrial servo amplifier for compatible motors (torque/speed/position). Not the Berger Lahr VRDM 3xx three-phase stepping motor (VRDM 3913 etc.). Confirm Servotronics amplifier versus Berger Lahr stepper nameplate. The Kollmorgen VRDM listing is the Servotronics VRDM servo amplifier (also tagged PRD-0051AMP class, 51854501 / 51854401). Verified connector/power row: DC input 350 Vdc at 9 A class; PWM/inverter output 230 Vac at 15 A class. Rear: two FireWire connectors and an AMP-control DB25 female. Closed-loop industrial servo amplifier for compatible motors (torque/speed/position). Not the Berger Lahr VRDM 3xx three-phase stepping motor (VRDM 3913 etc.). Confirm Servotronics amplifier versus Berger Lahr stepper nameplate. Axis servo amplification in Kollmorgen/Servotronics cabinets



MODEL Kollmorgen VRDM	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU VRDM	LISTING https://aumictechlabs.com/products/vrmdm-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kollmorgen VRDM Servo Amplifier is a drive for demanding motion control applications requiring precise servo motor control, accurate positioning, and dynamic operational response. This amplifier delivers reliable command execution across industrial automation, robotics, and

similar scenarios where advanced control capabilities and repeatability are essential. Technical Specifications Electrical Characteristics Input Power: 350 VDC at 9 A Output Power: 230 VAC at 15 A Connectors & Interfaces Two Firewire connectors (rear panel) One AMP-Control DB25 female connector (rear panel) Key Features The VRDM accepts multiple feedback topologies, including SFD, EnDat 2.2, BiSS, resolvers, and incremental encoders, enabling flexible system integration across various motor and encoder combinations. DC input architecture with AC three-phase output supports both legacy and modern motion control architectures. Typical Applications Industrial automation systems requiring coordinated multi-axis motion Robotic arms and articulated mechanisms Precision manufacturing and material handling equipment Machine tools and CNC applications Custom OEM motion control integration Compatibility & Integration The VRDM pairs with Kollmorgen servo motors including AKM series, direct drive, and frameless motor designs. Firewire connectivity enables real-time communication with motion controllers and supervisory systems. The AMP-Control DB25 interface supports legacy signal integration and external enable/fault logic. Note: The VRDM is also marketed under the Servotronix brand designation. Product support and inventory availability may extend beyond original manufacturer EOL through authorized third-party suppliers.

VRDM Characteristics / Specifications

PARAMETER	VALUE
Model	VRDM
Manufacturer	Kollmorgen / Servotronix
Instrument Type	Servo amplifier
Series	VRDM / PRD-0051AMP
Alias	VRDM; PRD-0051AMPz-X2; PRD-0051AMPz-Y2; 51854501; 51854401
Input Power Class	350 Vdc at 9 A
Output Power Class	230 Vac at 15 A
Control Connector	AMP-control DB25 female
Fieldbus Connectors	2 FireWire
Function	closed loop torque speed position amplification
Form	rack/panel servo amplifier
Related Part X	PRD-0051AMPz-X2
Related Part Y	PRD-0051AMPz-Y2
Not Berger Lahr Motor	VRDM 3913 is a 3-phase stepper 85 mm flange 600 Ncm class
Not 60WKS	60WKS is analog SM-series trapezoidal amp
Status	legacy Servotronix / Kollmorgen
Cooling	amplifier heatsink / cabinet airflow
Feedback	motor encoder/resolver per drive setup
Protection	drive faults per Servotronix VRDM
Installation	enclosure-based industrial cabinet
Use	restore listed amplifier function
Identification	VRDM / PRD-0051 silkscreen
Firmware	drive EEPROM/firmware match
Compatibility	Servotronix VRDM motors and FireWire network
Duty	continuous within 15 A / 350 Vdc class Notes Specs from Kollmorgen/Servotronix VRDM amplifier identity (350 Vdc 9 A in, 230

PARAMETER

VALUE

Vac 15 A out, 2x FireWire, DB25). Confirm amplifier versus Berger Lahr VRDM stepper motor on the nameplate. Do not invent continuous/peak current beyond the listed class.

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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Instrument Type	Servo amplifier
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PARAMETER	VALUE
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Alias	VRDM; PRD-0051AMPz-X2; PRD-0051AMPz-Y2; 51854501; 51854401
Input Power Class	350 Vdc at 9 A
Specifications	
PARAMETER	VALUE
Output Power Class	230 Vac at 15 A
Control Connector	AMP-control DB25 female
Fieldbus Connectors	2 FireWire
Specifications	
PARAMETER	VALUE
Function	closed loop torque speed position amplification
Form	rack/panel servo amplifier
Related Part X2	PRD-0051AMPz-X2
Specifications	
PARAMETER	VALUE
Related Part Y2	PRD-0051AMPz-Y2
Not Berger Lahr Motor	VRDM 3913 is a 3-phase stepper 85 mm flange 600 Ncm class
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Specifications

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Status	legacy Servotronix / Kollmorgen
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Specifications

PARAMETER	VALUE
Protection	drive faults per Servotronix VRDM
Installation	enclosure-based industrial cabinet
Use	restore listed amplifier function

Specifications

PARAMETER	VALUE
Identification	VRDM / PRD-0051 silkscreen
Firmware	drive EEPROM/firmware match
Compatibility	Servotronix VRDM motors and FireWire network

Duty: continuous within 15 A / 350 Vdc class

Notes

Specs from Kollmorgen/Servotronix VRDM amplifier identity (350 Vdc 9 A in, 230 Vac 15 A out, 2x FireWire, DB25). Confirm amplifier versus Berger Lahr VRDM stepper motor on the nameplate. Do not invent continuous/peak current beyond the listed class.

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.