

# SV2A-4200 Cut Sheet



SureServo2 servo drive, 2 kW, 460 VAC, 3-phase, (1) RS-485 (RJ45) port(s), Modbus RTU and Modbus ASCII. For use with 2 kW systems. Optional EtherNet/IP and Modbus TCP cards available.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/SV2A-4200>

## Technical Specifications

<b>Brand</b>	SureServo2
<b>Item</b>	Servo drive
<b>Voltage Type</b>	AC
<b>Amperage Rating</b>	6.3A
<b>Power Rating</b>	2 kW
<b>Nominal Input Voltage</b>	460 VAC
<b>Number of Input Phases</b>	3
<b>Output Type</b>	SVPWM output
<b>Steps per Revolution</b>	Up to 24-bit (16777216 ppr)
<b>Encoder Output</b>	Yes
<b>Encoder Resolution</b>	24-bit (16777216 ppr)
<b>Communication Port and Connection Type(s)</b>	(1) RS-485 (RJ45)
<b>Port Protocol(s)</b>	<ul style="list-style-type: none"> <li>• Modbus RTU Slave</li> <li>• Modbus ASCII Slave</li> </ul>
<b>Port Speed(s)</b>	up to 115.2k baud
<b>Temperature Rating</b>	0 to 55 deg C
<b>Enclosure Type</b>	Enclosed
<b>IP Rating</b>	IP20
<b>Mounting</b>	Panel
<b>Control Mode</b>	Torque, velocity and position
<b>Command Signal(s)</b>	<ul style="list-style-type: none"> <li>• step and direction</li> <li>• CW/CCW</li> <li>• A/B Quad</li> <li>• internal indexing (via discrete input and communication port)</li> <li>• torque and velocity (via analog input)</li> </ul>
<b>Number of Discrete Input Points</b>	10
<b>Discrete Input Type</b>	Sinking/sourcing
<b>Number of Discrete Output Points</b>	6
<b>Discrete Output Type</b>	Sinking/sourcing
<b>Number of Analog Input Channels</b>	2
<b>Analog Input Signal Type</b>	Voltage

<b>Input Voltage Signal Range</b>	+/- 10 VDC
<b>Number of Analog Output Channels</b>	2
<b>Analog Output Signal Type</b>	Voltage
<b>Output Voltage Signal Range</b>	+/- 8 VDC
<b>Tuning Mode</b>	Easy/auto (4 methods)/manual
<b>Protection Type(s)</b>	<ul style="list-style-type: none"> <li>• overcurrent</li> <li>• overvoltage</li> <li>• undervoltage</li> <li>• over-temperature</li> <li>• regeneration error</li> <li>• overload</li> <li>• velocity/position error</li> <li>• encoder error</li> <li>• secondary encoder position error</li> <li>• communication error</li> <li>• short circuit</li> </ul>
<b>Configuration</b>	Software and keypad
<b>For Use With</b>	2 kW systems
<b>Additional Information</b>	Optional EtherNet/IP and Modbus TCP cards available

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## Agency Approvals

<b>UL Listed File #</b>	E198015
<b>UL Recognized File #</b>	None
<b>UL Hazardous File #</b>	None
<b>CE</b>	<a href="#">View CE declarations</a>
<b>CSA File #</b>	None
<b>RoHS Status</b>	Yes (See CE Doc)
<b>EU REACH</b>	<a href="#">View EU REACH document</a>

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## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/2d/SV2A-4200.pdf>  
See store item page for other formats.

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