

# SV2A-2040 Cut Sheet



SureServo2 servo drive, 400W, 110/230 VAC, 1 and 3-phase, (1) RS-485 (RJ45) port(s), Modbus RTU and Modbus ASCII. For use with 100W-400W 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-2040>

## Technical Specifications

<b>Brand</b>	SureServo2
<b>Item</b>	Servo drive
<b>Voltage Type</b>	AC
<b>Amperage Rating</b>	4A at 110 VAC with 1-phase input, 4.7A at 230 VAC with 1-phase input and 2.8A at 230 VAC with 3-phase input
<b>Power Rating</b>	400W
<b>Nominal Input Voltage</b>	110/230 VAC
<b>Number of Input Phases</b>	1 and 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>	100W-400W 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>