SV2A-2040 Cut Sheet

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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

Brand	SureServo2
Item	Servo drive
Voltage Type	AC
Amperage Rating	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
Power Rating	400W
Nominal Input Voltage	110/230 VAC
Number of Input Phases	1 and 3
Output Type	SVPWM output
Steps per Revolution	Up to 24-bit (16777216 ppr)
Encoder Output	Yes
Encoder Resolution	24-bit (16777216 ppr)
Communication Port and Connection Type(s)	(1) RS-485 (RJ45)
Port Protocol(s)	• Modbus RTU Slave • Modbus ASCII Slave
Port Speed(s)	up to 115.2k baud
Temperature Rating	0 to 55 deg C
Enclosure Type	Enclosed
IP Rating	IP20
Mounting	Panel
Control Mode	Torque, velocity and position
Command Signal(s)	• step and direction • CW/CCW • A/B Quad • internal indexing (via discrete input and communication port) • torque and velocity (via analog input)
Number of Discrete Input Points	10
Discrete Input Type	Sinking/sourcing
Number of Discrete Output Points	6
Discrete Output Type	Sinking/sourcing

Number of Analog Input Channels	2
Analog Input Signal Type	Voltage
Input Voltage Signal Range	+/- 10 VDC
Number of Analog Output Channels	2
Analog Output Signal Type	Voltage
Output Voltage Signal Range	+/- 8 VDC
Tuning Mode	Easy/auto (4 methods)/manual
Protection Type(s)	• overcurrent • overvoltage • undervoltage • over-temperature • regeneration error • overload • velocity/position error • encoder error • secondary encoder position error • communication error • short circuit
Configuration	Software and keypad
For Use With	100W-400W systems
Additional Information	Optional EtherNet/IP and Modbus TCP cards available

Agency Approvals

UL Listed File #	E198015
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings

2D Drawing PDF Link:
https://cdn.automationdirect.com
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