

# STP-DRVAC-24025 Cut Sheet



SureStep AC microstepping stepper drive, 2.5A per phase, 2-phase output, 90-240 VAC, bipolar, velocity and position mode, 200 to 25600 steps per revolution.

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



<https://www.automationdirect.com/pn/STP-DRVAC-24025>

## Technical Specifications

<b>Brand</b>	SureStep
<b>Item</b>	Stepper drive
<b>Controller Type</b>	Microstepping
<b>Voltage Type</b>	AC
<b>Amperage Rating</b>	2.5A per phase
<b>Number of Input Phases</b>	1
<b>Number of Output Phases</b>	2
<b>Nominal Input Voltage</b>	90-240 VAC
<b>Winding Type Control</b>	Bipolar
<b>Output Type</b>	MOSFET, dual H-bridge and 4-quadrant output
<b>Current Control</b>	4-state PWM at 20 kHz
<b>Steps per Revolution</b>	200 to 25600
<b>Temperature Rating</b>	0 to 40 deg C
<b>Enclosure Type</b>	Enclosed
<b>IP Rating</b>	IP20
<b>Mounting</b>	Panel
<b>Control Mode</b>	Velocity and position

<b>Command Signal(s)</b>	<ul style="list-style-type: none"><li>• step and direction</li><li>• CW/CCW</li></ul>
<b>Number of Discrete Input Points</b>	1
<b>Discrete Input Type</b>	Sinking/sourcing/line driver (differential)
<b>Number of Discrete Output Points</b>	1
<b>Discrete Output Type</b>	Sinking/sourcing
<b>Tuning Mode</b>	Pre-tuned per motor
<b>Idle Current Reduction</b>	Yes
<b>Drive Features</b>	Self-test, anti-resonance (electronic damping) and command signal filtering
<b>Protection Type(s)</b>	<ul style="list-style-type: none"><li>• overvoltage</li><li>• undervoltage</li><li>• short circuit</li><li>• over-temperature</li></ul>
<b>Configuration</b>	Rotary dial, dipswitches or jumpers
<b>Additional Information</b>	Optimized for use with high voltage MTRAC motors

## Agency Approvals

<b>UL Listed File #</b>	None
<b>UL Recognized File #</b>	E198015
<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>

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/STP-DRVAC-24025.pdf>  
See store item page for other formats.