

# STP-DRV-4830 Cut Sheet



SureStep DC microstepping stepper drive, 3A per phase, 2-phase output, 12-48 VDC, 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-DRV-4830>

## Technical Specifications

Brand	SureStep
Item	Stepper drive
Controller Type	Microstepping
Voltage Type	DC
Amperage Rating	3A per phase
Number of Output Phases	2
Nominal Input Voltage	12-48 VDC
Winding Type Control	Bipolar
Output Type	MOSFET, dual H-bridge and 4-quadrant output
Current Control	4-state PWM at 16 kHz
Steps per Revolution	200 to 25600
Temperature Rating	0 to 50 deg C
Enclosure Type	Enclosed
IP Rating	IP20
Mounting	Panel

Control Mode	Velocity and position
Command Signal(s)	<ul style="list-style-type: none"><li>• step and direction</li><li>• CW/CCW</li></ul>
Number of Discrete Input Points	1
Discrete Input Type	Sinking/sourcing/line driver (differential)
Tuning Mode	Pre-tuned per motor
Idle Current Reduction	Yes
Drive Features	Self-test, anti-resonance (electronic damping) and command signal filtering
Protection Type(s)	<ul style="list-style-type: none"><li>• overvoltage</li><li>• undervoltage</li><li>• short circuit</li><li>• over-temperature</li></ul>
Configuration	Dipswitch

## Agency Approvals

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

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/STP-DRV-4830.pdf>  
See store item page for other formats.