

STP-DRV-4845 Cut Sheet



SureStep DC microstepping stepper drive, 4.5A per phase, 2-phase output, 24-48 VDC, bipolar, velocity and position mode, 200 to 20000 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-4845>

Technical Specifications

Brand	SureStep
Item	Stepper drive
Controller Type	Microstepping
Voltage Type	DC
Amperage Rating	4.5A per phase
Number of Output Phases	2
Nominal Input Voltage	24-48 VDC
Winding Type Control	Bipolar
Output Type	MOSFET, dual H-bridge and 4-quadrant output
Current Control	4-state PWM at 20 kHz
Steps per Revolution	200 to 20000
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">• step and direction• CW/CCW
Number of Discrete Input Points	1
Discrete Input Type	Sinking/sourcing/line driver (differential)
Number of Discrete Output Points	1
Discrete Output Type	Sinking/sourcing
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">• overvoltage• undervoltage• short circuit
Configuration	Rotary dial, dipswitches or jumpers

Agency Approvals

UL Listed File #	None
UL Recognized File #	E198015
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/static/drawings/STP-DRV-4845.pdf>
See store item page for other formats.