

Driver pas à pas OEM

SA45 - ELECTROCRAFT

www.rosier.fr

SA45 : Electrocraft CompletePower™ | Motion Control

Power Supply Voltage	Nominal Current	Phases	Operation Mode		Special Functions		
			Fullstep	Micro stepping	Integrated Oscillator	Current Fallback	Anti-Resonance Anti-Noise
11 - 48	5 / 10	2	●	●	●	●	●



For Stepper Motors. Up to 480W.

This bipolar stepper drive provides microstepping to 1/16 built into a fully enclosed rugged aluminum case. It can be DIN-rail mounted or panel mounted for fast integration. The mode of operation is set by simple DIP switches. Features include an internal oscillator that allows operation of the drive at a internal speed set point or with an external analog speed reference that can scale this set point. Both the 5 A and 10 A versions of this drive can be powered by the same range of voltage supplies. This drive is protected against over-current and overtemperature and incorporates the state of the art dual full bridge MOSFET driver for maximum efficiency. Connectivity is tool-free with RJ45-CAT5 plugs for the control inputs and push-type terminals for power.

Drive Model Example

S
Drive Technology

A
Revision

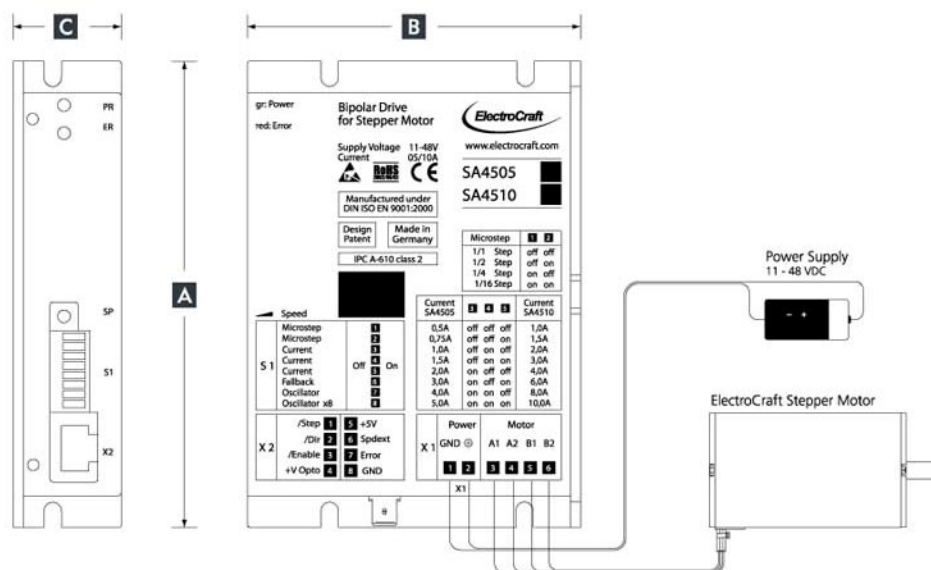
4
Quadrants

5
Voltage 10x VDC

10
Nominal Amps

SA45 Outline Drawing

Model	A	B	C	Weight oz (g)
	Length in (mm)	Width in (mm)	Height in (mm)	
SA4505	4.69 (120.0)	3.35 (85.0)	1.08 (27.5)	7.05 (200)
SA4510				7.76 (220)



06/01/2011

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ROSIER Mécatronique

MOTORISATION

AXES LINÉAIRES

COMMANDES D'AXES

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SA45 Specifications					
Model Number	Power Supply Voltage (VDC)	Nominal Current (Amps)	Max. Power with Heatsink (Watts)	Frequency of power output stage (kHz)	Efficiency (%)
SA4505	11 - 48	5	240	50	95
SA4510	11 - 48	10	480	50	95
Control Inputs					
Enable		Optical, Ri = 1 kOhm; max. 20 mA			
Direction		Optical, Ri = 1 kOhm; max. 20 mA			
Step		Optical, Ri = 1 kOhm; max. 20 mA; 250 kHz			
Speed extern		+1 to +5 VDC; Ri = 100 kOhm			
Switches					
Microstep		1/1; 1/2; 1/4; 1/16			
Current		0,5 A to 5 A / 1 A to 10 A			
Fallback		on / off			
Oscillator		on / off			
Oscillator x8		on / off			
Outputs					
Auxiliary voltage source +5V		+5 VDC / 50 mA			
Error		Optical, max. 20 mA			
Display					
LEDs		green= Power / red = Error			
Function of Potentiometers					
Speed		Range: 4 Hz - 500 kHz / 40 Hz - 4800 kHz			
Ambient conditions					
Operation temperature (°C)		-10 to +45			
Storage temperature (°C)		-40 to +85			
Humidity Range Not Condensing (%rel)		20 to 80 % rel.			
Mode of Operation					
Fullstep; Microstep: 1/2, 1/4, 1/16					

Available Accessorie for SA45						
IA210x	CAxxx	HA3008	HA3018	HA3028	MA0025	WA2509
						



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