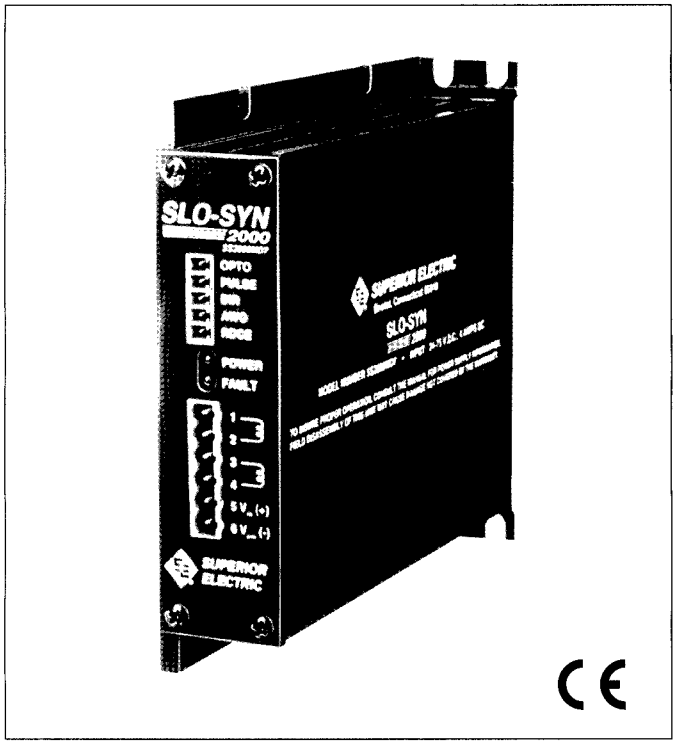
Superior Electric

SS2000 MD7, MD7-128
Translator Drive



The SS2000MD7 is the ideal solution for cost effective modular drive systems. Modular drives are well suited for multiple axes applications because they can be operated from one power supply. The SS2000MD7 drive is a bipolar PWM drive, a design which provides maximum torque over a wide range of speeds and is suitable for 4-, 6- or 8-lead motors.

FEATURES

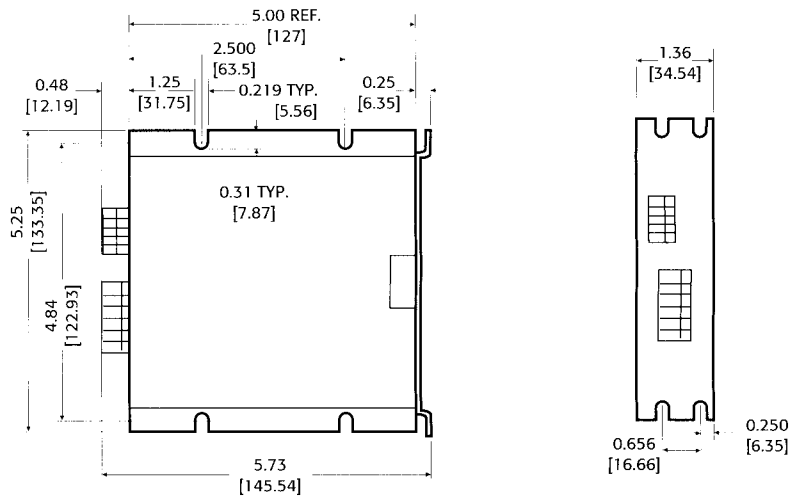
- ❒ Cool Running. The drive is designed for low operating temperatures. No heat sink is required for low current applications. For currents of 4 amperes or higher, heat sink (p/n 221576-001) must be used.
- ❒ Easy To Select. Switch selectable motor current and microstep increments
- ❒ Optically isolated inputs
- ❒ Reduce current and windings off capabilities
- ❒ Step angles SS2000MD7: 1/2, 1/10, 1/25, 1/100, which gives 400, 2000, 5000, 20.000 steps/rev
- ❒ Step angles SS2000MD7E-128: 1/1, 1/16, 1/64, 1/128, which gives 200, 3200, 12.800, 25.600 steps/rev

Specifications

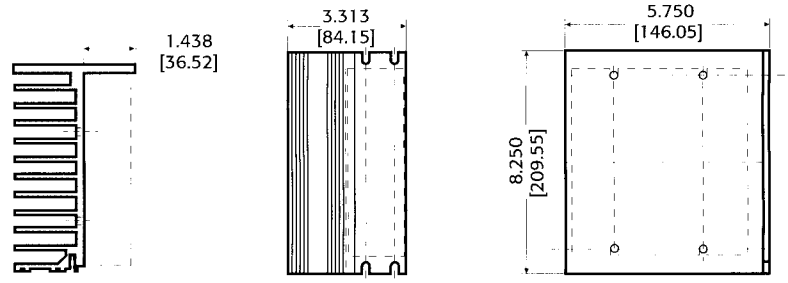
Weight		680 g
Input Voltage		+24 VDC min to +75 VDC
Phase Current.		1 to 7 A
Drive Power Dissipation		≤ 40 W
Signal Requirements		
OPTO		
Voltage		4.5 to 6.0 VDC
Current		16 mA/signal
Other Signals		
Voltage		
	Low	0.0 to 0.8 VDC
	High	Vopto-1 to Vopto
Current		
	Low	16 mA max
	High	0.2 mA max
Timing Requirements		
PULSE		
Max. Frequency		500 kHz
Max. Rise And Fall Times..		≤ 1 µS
Min. Pulse Width		≥ 1 µS
Other Signals		
Response Time		≤ 50 µS
Temperature	Operating	0°C to +50°C
Heat sink		+70°C max
	Storage	-40°C to +75°C
Humidity		95% max., non condensing
Altitude		3000 m max
Motor Compatibility		≤ M092
Min Inductance		1 mH
Max Resistance		1.0 Ω at 7.0 A – 24 VDC
		2.0 Ω at 7.0 A – 50 VDC

NOTE: Maximum resistance is total of motor plus cable

Dimensions (Dimensions in [ ] are in mm)



HEATSINK



EMI and RFI
CE certified. Meets or exceeds the requirements as specified in standards 89/336/EEC and 73/23/EEC provided the instal lation guidelines are observed.