

The SLO-SYN SS2000MD4 Translator Drive is a bipolar, adjustable speed, two phase PWM drive which uses hybrid power devices. It can be set to operate a step motor in full steps or half steps. The max. running speed is 3000 rpm. To reduce the electrical noise, the control signals are optically isolated from the drive circuit.

**FEATURES**

- Switch selectable current levels of 0.5 through 3.5 A
- Full short circuit protection phase-to-phase and phase-to-ground
- Undervoltage and transient overvoltage protection
- Efficient thermal design
- Optically isolated inputs
- Windings Off capability
- Switch selectable step resolution
- Compact size
- Sturdy all-aluminum mounting base

**Specifications**

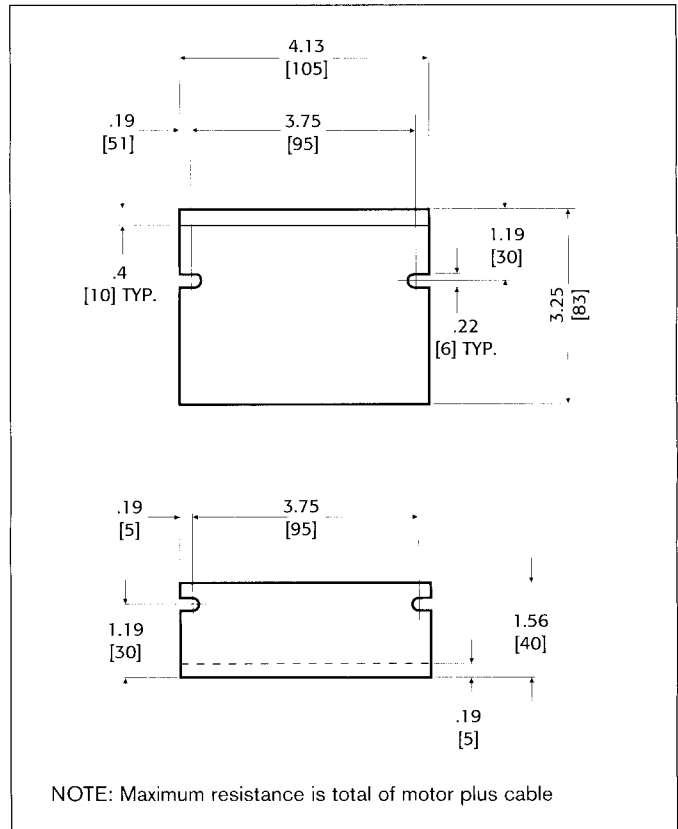
Weight	272 g
Input Voltage	+24 VDC min, +40 VDC max
Phase Current	0.5 to 3.5 A
Drive Power Dissipation	≤ 35 W
Temperature	
Operating	0°C to +50°C
Heat sink	+70°C max
Storage	-40°C to +75°C
Humidity	95% max. noncondensing
Altitude	3000 m max
Motor Compatibility	up to M092
Number of Connections	4, 6, 8
Min Inductance	≥ 0.5 mH
Max Resistance	0.25 x VDCsupply/Iset
Example:	VDC = 30; Iset = 3.5
	$R_{max} = 0.25 \times 30/3.5 = 2.1 \Omega$

**STEP ANGLES**

SS2000MD4  
1/1, 1/2, which gives  
200, 400 steps/rev

SS2000MD4-M  
1/2, 1/10, 1/25, 1/100, which gives  
400, 2000, 5000, 20.000 steps/rev

**Dimensions** (Dimensions in [ ] are in mm)



**EMI and RFI**

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