



NOTES:

- 1.CW(from shaft)
- 2.TURNS IS 28 PER PHASE
- 3.Front bearing: NTN6006 LLUC3/5K (Made in Japan)
- 4.USE RLS(www.rls.si) ENCODER  
sine/cosine encoder:RMB29AC01SS1  
magnetic actuator:RMH06A3A02
- 5.Product to be shipped in plain white box, styrofoam packaging  
Include Dyno Plot in box.
- 6.Box to be marked: Part Number: ME1118  
Made in China
- 7.Magnets:150 °C
- 8.Sensor Timing:with BEMF oscilloscope probe attached to M1 and ground probe attached to M2,the BEMF rising edge zero cross should lead the sine wave(sensor pin A to sensor pin C gnd)zero cross by 20 electrical degrees of the BEMF waveform.Alternatively if timing the sensor using a Sevcon controller,the encoder position should be within +/-3 degrees of 0.
- 9.Motor Phase Resistance is 0.0095Ω
- 10.Motor inductance at 100Hz is 0.12mH
- 11.Sensor magnet is to be 2.5mm to 3mm from the sensor mounting face. The minimum amplitude for the sensor is 2 volts AC,peak to peak.
- 12.Class H insulation system.
- 13.Zip tie to be installed on sensor wire inside sensor cavity providing strain releif and to prevent heat shrink from off exposing sheild wires
- 14.Silicone glue KDW-3582 is to be applied surrounding the sensor chip filling the space in the disk up to the surface of the chip on the sensor ensuring all chip connections are completely submerged. Once timed,the connector side of the sensor board is to be coated with the glue,covering the entire board/connector and ensuring good coverage around the sensor cable hole and PCB mounting disk joints.

NAMECARD DATA  
PART # ME1118  
DATE CODE XXXXXX  
SERIAL #:XX.XX.XXXX  
Motenergy,Inc.  
Slinger, WI USA

8 pin Metri-pack 150 series:  
Connector:12047937  
Terminal Position Assurance:15324525  
Terminal:12084200  
Cable Seal:15324973  
Seal:12059168-B

sine/cosine encoder

PIN LOCATION 插孔点	WIRE DESIGNATION 导线标记	WIRE COLOR 导线颜色
A	Sine (正弦)	BLUE 蓝
B	Cosine (余弦)	WHITE 白
C	Ground (0)	BLACK 黑
D	N/C	
E	V <sub>DD</sub> (+5V)	RED 红
F	Shield (保护)	GREEN 绿
G	Temp1	WHITE (-) 白
H	Temp2	WHITE (+) 白

REV.	CHANGES	BY	ECO NO.	DATE	DO NOT SCALE DRAWING THIS DRAWING IS PROPRIETARY PROPERTY OF MOTENERGY INC CORPORATION DISCLOSED IN CONFIDENCE, WHICH MAY NOT BE USED OR DISCLOSED WITHOUT PERMISSION. RETURN PROMPTLY AFTER USE.	DIMENSIONING AND TOLERANCING PER ANS Y14.5M-1994	MATERIAL	TITLE	Motenergy, Inc.
-		-	-	-				永磁式无刷直流盘式电动机外形图	Slinger, WI USA
-		-	-	-				DRAWN: lxp 12.05.16	
-		-	-	-				APPR: -	DESIGN VENDOR: -
-		-	-	-				MODEL NO: -	
-		-	-	-				SCALE: -	