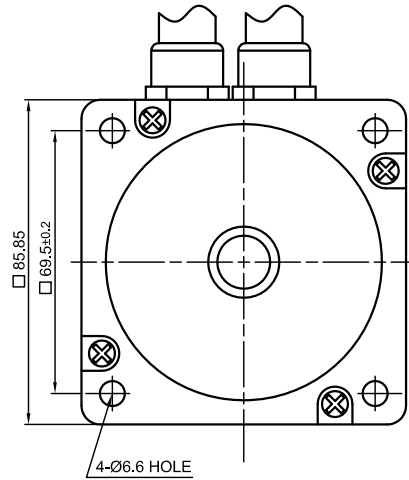
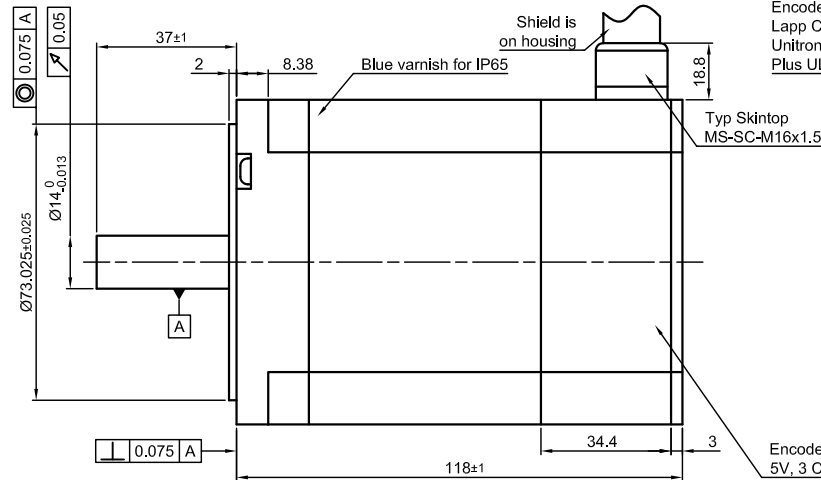


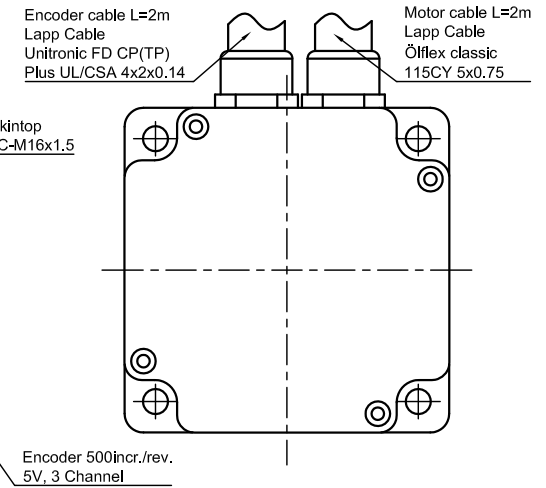
Front view and mounting



Side view



Rear view



CONNECTION	BIPOLAR PARALLEL
SPECIFICATION	
VOLTAGE (VDC)	2.1
AMPS/PHASE	6.36
RESISTANCE/PHASE (Ohms)@25°C	0.33±15%
INDUCTANCE/PHASE (mH) @1KHz	3.0±20%
HOLDING TORQUE (Nm) [lb-in]	5.94 [52.57]
DETENT TORQUE (Nm) [lb-in]	0.21 [1.8585]
STEP ANGLE (°) ± STEP ACCURACY	1.8 ± 5% (NON-ACCUM)
BACK-EMF (V) (300 U/min)	46.3
ROTOR INERTIA (Kg-m ²) [lb-in ²]	2.7x10 ⁻⁴ [0.923]
WEIGHT (Kg) [lb]	2.8 [6.174]
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)	
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]	
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	
INSULATION CLASS B 130° [266°F]	
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	

PERMISSIBLE RADIAL+AXIAL FORCE
ROTOR SPRING-MOUNTED IN AXIAL DIRECTION

AXIAL-FORCE Fa (N)	Fa=65			
DISTANCE a (mm)	5	10	15	20
RADIAL-FORCE Fr (N)	535	355	256	200
	AXIAL	RADIAL		
SHAFT PLAY (mm)	0.075	0.025		
AT LOAD MAX: (N)	10	5.0		

M16 MOTOR	
CABLE NO.	ASSIGNMENT
1	A
2	A\
3	B
4	B\
5	HOUSING

M16 ENCODER	
COLOR	ASSIGNMENT
WHT	A
BRN	A\
GRN	B
YEL	B\
GRY	GND
PINK	I
BLU	I\
RED	Vcc

REV	DESCRIPTION	DATE	APVD	 Nanotec [®] PLUG & DRIVE	SCALE FREE	APVD	<i>S.Ha.</i>	13.11.08	STEPPING MOTOR DWG.NO AP8918M6404-E
					X ±0.5	CHKD			
					1PL ±0.2	DRN	<i>J.W.</i>	13.11.08	
					2PL ±0.1	SIGNATURE		DATE	
					ANGLE ±30'				