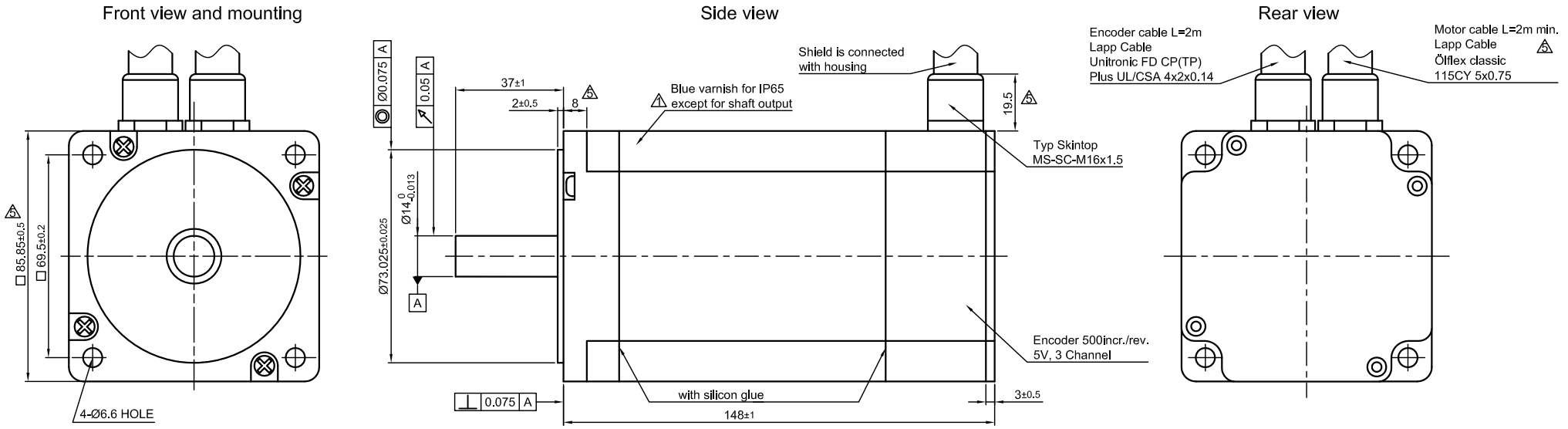


SPECIFICATION \ CONNECTION	BIPOLAR PARALLEL
VOLTAGE (VDC)	2.47 ②
AMPS/PHASE	9.5
RESISTANCE/PHASE (Ohms)@25°C	0.35±15% ⑤ ②
INDUCTANCE/PHASE (mH) @1KHz	2.7±20%
HOLDING TORQUE (Nm) [lb-in]	9.33 [82.57]
DETENT TORQUE (Nm) [lb-in]	0.2 [1.7]
STEP ANGLE (°)	1.8
STEP ACCURACY (NON-ACCUM)	⑤ ±5% ①
ROTOR INERTIA (Kg-m^2) [lb-in^2]	3.0x10^{-4} [1.025]
WEIGHT (Kg) [lb]	4.7 [10.36] ①

TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)

AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]

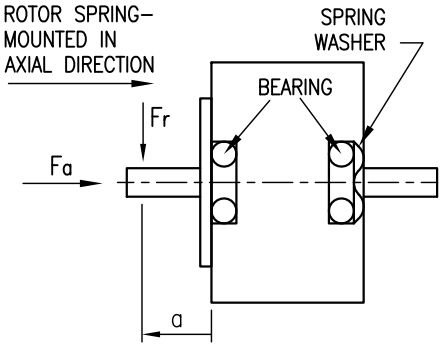
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)

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



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

CABLE MOTOR	
No.	ASSIGNMENt
1	A
2	A\
3	B
4	B\
5	GND/YEL-GRN
HOUSING	GND/SHIELDING

CABLE ENCODER ④	
COLOR	ASSIGNMENT
WHT	A
BRN	A\
GRN	B
YEL	B\
GRY	GND
PINK	I\ ③
BLU	I ③
RED	Vcc

REV	DESCRIPTION	DATE	DRN
5	revise drawing	30.08.16	A.S.
4	PIN NO. REMOVED	16.05.12	J.W.
3	PIN I AND I\ INTERCHANGED	17.03.11	J.W.

Nanotec® PLUG & DRIVE

Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715

		SIGNATURE	DATE
APVD	S.Ha.		13.11.08
CHKD			
DRN	J.W.		13.11.08

STEPPER MOTOR IN PROTECTION

DWG.NO AP8918L9504-E