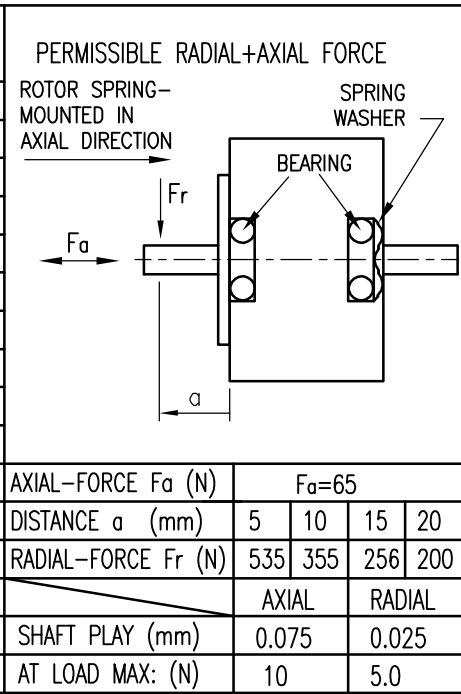


SPECIFICATION	CONNECTION	BIPOLAR	PARALLEL
VOLTAGE (VDC)		2.18	
AMPS/PHASE		9.5	
RESISTANCE/PHASE (Ohms)@25°C		0.26±15%	
INDUCTANCE/PHASE (mH) @1KHz		2.7±20%	
HOLDING TORQUE (Nm) [lb-in]		9.33 [82.57]	
DETENT TORQUE (Nm) [lb-in]		0.20 [1.7]	
STEP ANGLE (°)		1.8	
STEP ACCURACY (NON-ACCUM)		±5%	
ROTOR INERTIA (Kg-m ²) [lb-in ²]		322x10 ⁻⁶ [1.100] \triangle	
WEIGHT (Kg) [lb]		5.24 [11.55] \triangle	
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)			



M12-12 pole Encoder	
PIN NO.	ASSIGNMENT
1	A
2	A\
3	B
4	B\
5	GND
6	I\
7	I
8	Vcc (24V±10%) \triangle
9	GND \triangle
10	GND \triangle
11	NC
12	NC
HOUSING	SHIELDING \triangle

M16-7 pole Motor	
PIN. NO.	ASSIGNMENT
1	A\
2	A
3	B
4	B\
5	BRAKE/ (24-48V)±5% \triangle
6	BRAKE/GND \triangle
7	PE \triangle
HOUSING	SHIELDING \triangle

FULL STEP 2 PHASE-Ex., WHEN FACING MOUNTING END (X)

STEP	A	B	A\	B\	CCW	CW
1	+	+	-	-	↓	↑
2	-	+	+	-	↓	↑
3	-	-	+	+	↓	↑
4	+	-	-	+	↓	↑

07	UPDATE VALUES AND TOLERANCE	13.11.20	L W	 Nanotec [®] PLUG & DRIVE	SCALE FREE	APVD	G.S.	17.09.12	STEPPER MOTOR IN PROTECTION
06	NEW CONNECTOR MEASUREMENT	06.02.17	GYQ		X ±0.5	CHKD			
05	NEW PIN ASSIGNMENT	25.05.15	GYQ		1PL ±0.2	DRN	J.W.	17.09.12	DWG.NO
REV	DESCRIPTION	DATE	APVD	AS8918L9504-E24B \triangle	2PL ±0.1	SIGNATURE	DATE	AS8918L9504-E24B \triangle	ANGLE ±30'