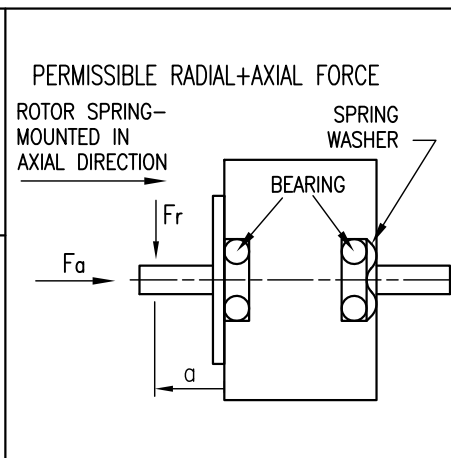
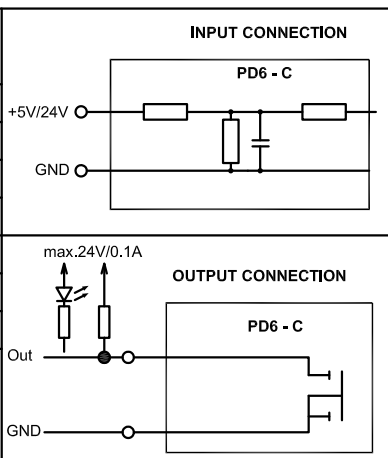


CONNECTION	BIPOLAR
SPECIFICATION	
VOLTAGE (VDC)	12 to 48
AMPS/PHASE	6.4A
HOLDING TORQUE (Nm) [lb-in]	3.6 [31.86]
DETENT TORQUE (Nm) [lb-in]	0.12 [1.062]
STEP ANGLE (°) ± ACCURACY	1.8 ±5% to Microstep
ROTOR INERTIA (kg-m <sup>2</sup> ) [ib-in <sup>2</sup> ]	1.0x10 <sup>-4</sup> [0.342]
WEIGHT (Kg) [lb]	1.85 [4.08]



X1 Power Connector	
Pin No.	Function
1	+UB (12-48V)
2	GND

X4/X5 CANopen IN/OUT	
Pin No.	Function
1	CAN_H
2	CAN_L
3	CAN_GND
4	n.c.
5	n.c.
6	CAN_SHLD
7	GND
8	+UB Logic (24V)

X2 IO Connector		
Pin No.	Function	
1	+10V VOLTAGE SUPPLY (max. 200mA)	
2	Input 1/ Enable (5V/24V)	-Input1/ -Enable*
3	Input 2/ Direction (5V/24V)	Input1/ Enable*
4	Input 3/ Clock (5V/24V)	-Input2/ -Direction*
5	Input 4 (5V/24V)	Input2/ Direction*
6	Input 5 (5V/24V)	-Input3/ -Clock*
7	Input 6 (5V/24V)	Input3/ Clock*
8	Analog Input1 (0-10V/0-20mA)	
9	Analog Input2 (0-10V)	
10	Output1 (open drain)	
11	Output2 (open drain)	
12	GND	

OVERTEMPERATURE PROTECTION (ELECTRONICS): 75°C	AXIAL-FORCE Fa (N)	Fa=65
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]	DISTANCE a (mm)	5   10   15   20
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE Fr (N)	535   355   256   200
INSULATION (MOTOR) CLASS B 130° [266°F]	AXIAL	
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	SHAFT PLAY (mm)	0.2 max.
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	250

\*configured as differential input  
X3 Micro-USB

							APVD	X.W.	14.06.16	<b>PLUG&amp;DRIVE MOTOR</b>			
							CHKD						
REV   DESCRIPTION   DATE   DRN				Surface specification DIN ISO 1302		General tolerances DIN ISO 2768- ch		Work piece edge DIN ISO 13715		DRN	A.S.	14.06.16	DWG.NO
										SIGNATURE		DATE	