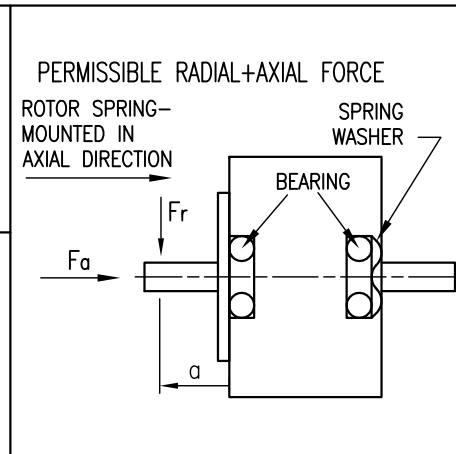
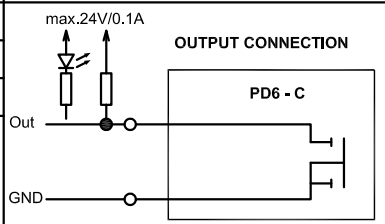
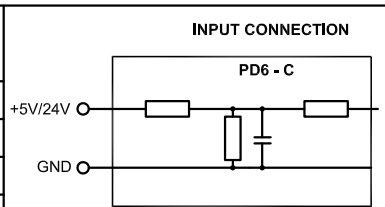


SPECIFICATION	CONNECTION	BIPOLAR
VOLTAGE (VDC)		12 to 48
AMPS/PHASE		9.5A
HOLDING TORQUE (Nm) [lb-in]		9.33 [82.57]
DETENT TORQUE (Nm) [lb-in]		0.2 [1.7]
STEP ANGLE (°) ± ACCURACY		1.8 ±5% to Microstep
ROTOR INERTIA (kg-m ²) [ib-in ²]		3.0x10 ⁻⁴ [1.024]
WEIGHT (Kg) [lb]		4.1 [9.02]



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			

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

*configured as differential input
X3 Micro-USB

				Nanotec PLUG & DRIVE			APVD	<i>X.W.</i>	20.10.15	PLUG&DRIVE MOTOR	
							CHKD				
A	-	22.03.16	A.S.	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715	DRN	<i>A.S.</i>	20.10.15	DWG.NO	PD6-C8918L9504-E-09
REV	DESCRIPTION	DATE	DRN				SIGNATURE		DATE		