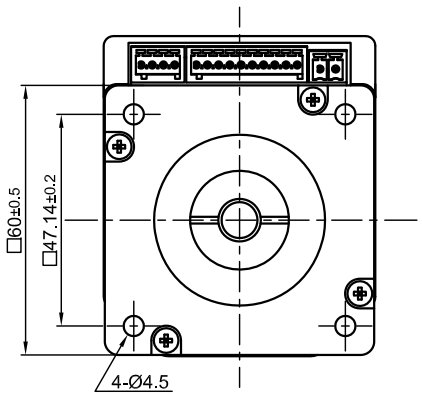
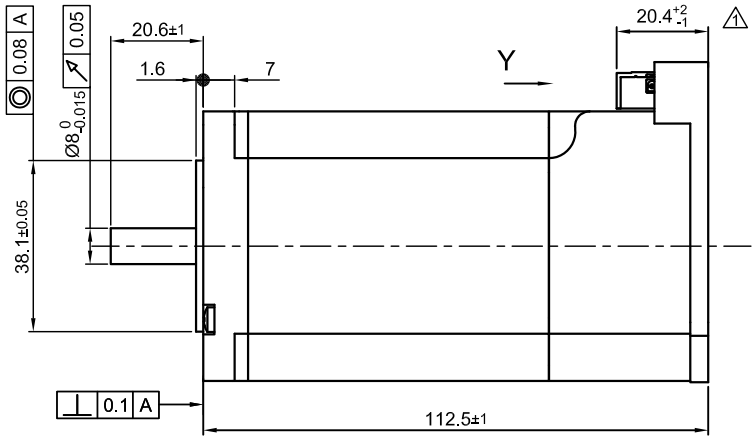
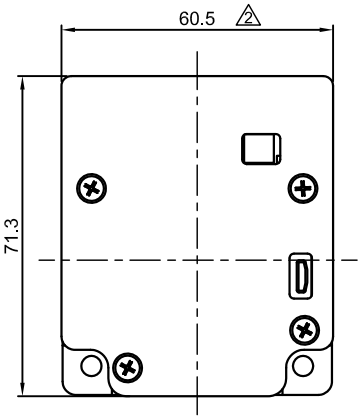
Front view and mounting



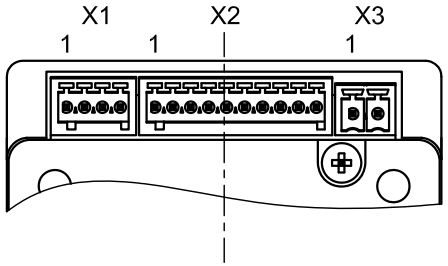
Side view



Rear view

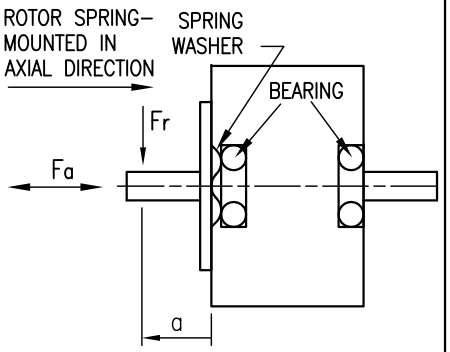


Y view



SPECIFICATION \ CONNECTION	BIPOLAR 2
VOLTAGE (VDC)	12 TO 48
AMPS/PHASE(A)	4.2
HOLDING TORQUE (Nm) [lb-in]	3.54 [31.29]
DETENT TORQUE (Nm) [lb-in]	0.075 [0.664]
STEP ANGLE (°)±ACCURACY	1.8±5% TO MICROSTEP
WEIGHT (Kg) [lb]	1.4[3.09]

PERMISSIBLE RADIAL+AXIAL FORCE



AXIAL-FORCE Fa (N)	Fa=15		
DISTANCE a (mm)	20		
RADIAL-FORCE Fr (N)	52		
	AXIAL	RADIAL	
SHAFT PLAY (mm)	0.2Max	0.02	
AT LOAD MAX: (N)	200	4.5	

X1, Phoenix MCV-04	
PIN No.	Function
1	GND
2	Analog Input(0-10V)
3	Output (open drain)
4	+12V (Voltage Output, max.100mA)

X2, Phoenix MCV-10	
PIN No.	Function
1	Input1 (+24V)
2	Input2 (+24V)
3	Input3 (+24V)
4	-Enable +5/+24V
5	Enable +5/+24V
6	-Direction +5/+24V
7	Direction +5/+24V
8	-Clock +5/+24V
9	Clock +5/+24V
10	GND

X3, Phoenix FMC-02	
PIN No.	Function
1	+VCC(12-48V)
2	GND

2

- OVERTEMPERATURE PROTECTION (ELECTRONICS): 75°C 2
- AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F] (HIGHER TEMPERATURE REDUCES DUTY CYCLE)
- 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)

REV	DESCRIPTION	DATE	APVD
02	REWORK DRAW/CHANGE TOLERANCE	04.07.16	GYQ
01	TOLERANCE OF CONNECTOR LENGTH	28.01.14	GYQ

Nanotec® PLUG & DRIVE

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

APVD	G.M.	05.08.13
CHKD		
DRN	GYQ	05.08.13
SIGNATURE		DATE

PLUG&DRIVE MOTOR

DWG.NO PD4-C6018L4204-E-01