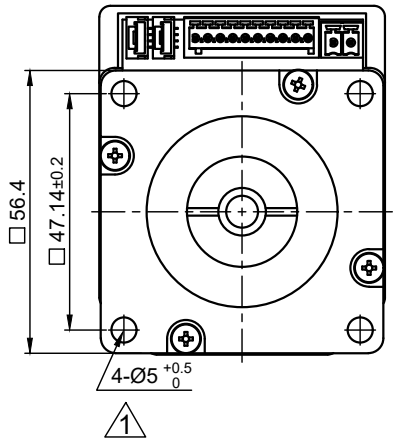
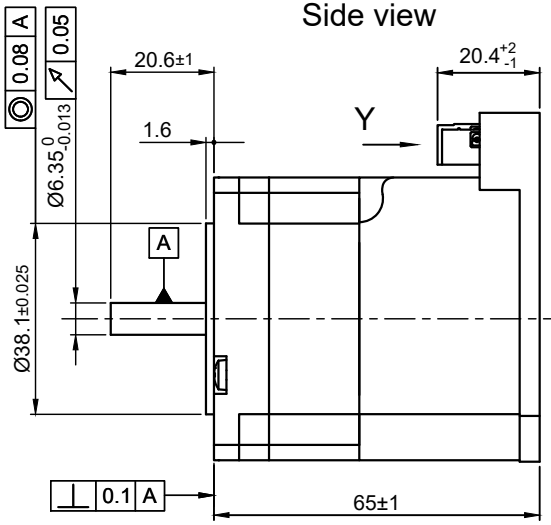
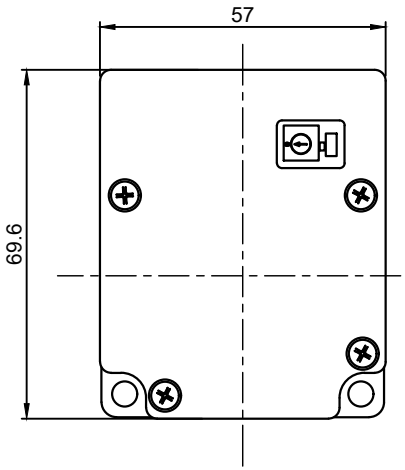
Front view and mounting



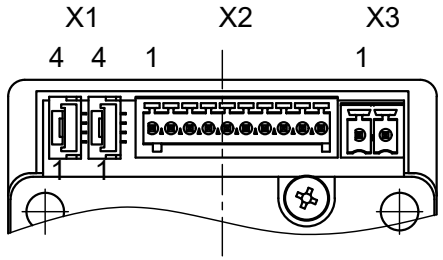
Side view



Rear view

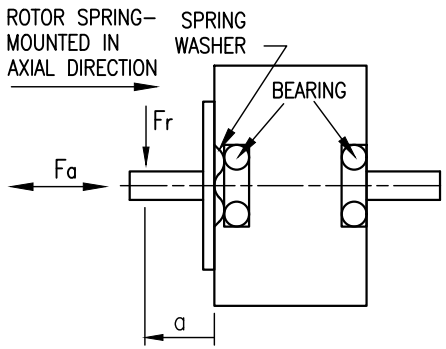


Y view



SPECIFICATION \ CONNECTION	BIPOLAR
VOLTAGE (VDC)	12 TO 48
AMPS/PHASE(A)	4.2
HOLDING TORQUE (Nm) [lb-in]	0.537 [4.752]
DETENT TORQUE (Nm) [lb-in]	0.0147 [0.13]
STEP ANGLE (°)±ACCURACY	1.8±5% TO MICROSTEP
WEIGHT (Kg) [lb]	0.6 [1.32]

PERMISSIBLE RADIAL+AXIAL FORCE



AXIAL-FORCE Fa (N)	Fa=10	
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

OVERTEMPERATURE PROTECTION (ELECTRONICS): 75°C
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)

X1, JST GH-4

PIN No.	Function
1	+UB_LOGIC(24V)
2	CAN+
3	CAN-
4	GND

X3, Degson 2
15EDGVC-3.5-02P-14 or equivalent Phoenix FMC-02 or equivalent alternative

PIN No.	Function
1	+VCC(12-48V)
2	GND

X2, Degson 2
15EDGVC-2.5-10P-14 or equivalent Phoenix MCV-10 or equivalent alternative

PIN No.	Function
1	GND
2	Analog input (0-10V)
3	+12V (Voltage Output, max.100mA)
4	Output1 (open drain)
5	Output2 (open drain)
6	Input1 (+5/+24V)
7	Input2 (+5/+24V)
8	Input3 (+5/+24V)
9	Input4 (+5/+24V)
10	GND

REV	DESCRIPTION	DATE	APVD
2	change connector description	08.08.25	YBY
1	HOLE ø5 ADD TOLERANCE +0.5 0	11.07.22	YBY

Nanotec PLUG & DRIVE

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

		SIGNATURE	DATE
APVD	G.M.		01.07.16
CHKD	L B		01.07.16
DRN	GYQ		01.07.16

PLUG&DRIVE MOTOR

DWG.NO
PD4-C5918X4204-E-08