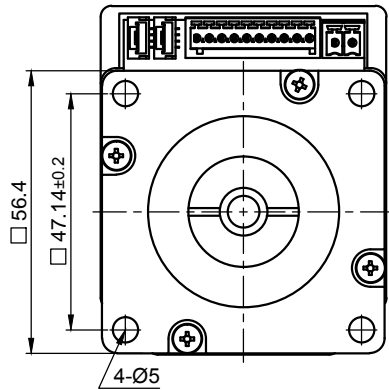
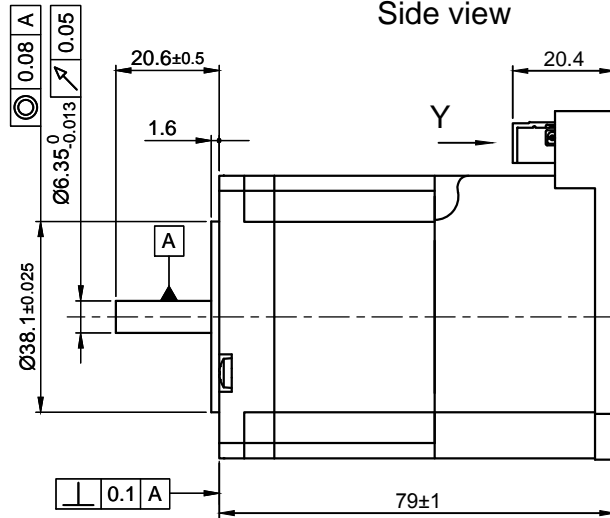


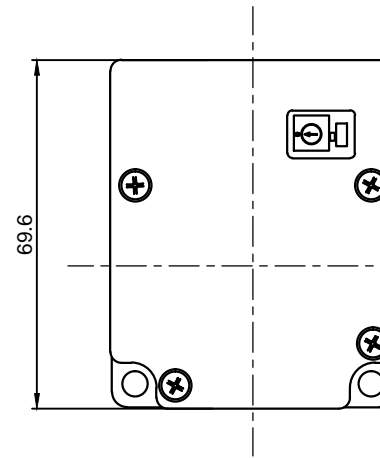
Front view and mounting



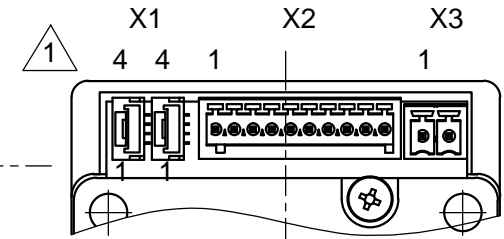
Side view



Rear view



Y view



CONNECTION		BIPOLAR	PERMISSIBLE RADIAL+AXIAL FORCE				X1, JST GH-4		X2, Phoenix MCV-10																															
SPECIFICATION		PARALLEL					PIN No.	Function	PIN No.	Function																														
VOLTAGE (VDC)		1.575	<table border="1"> <tr> <td>AXIAL-FORCE F_a (N)</td> <td colspan="4">$F_a=10$</td> </tr> <tr> <td>DISTANCE a (mm)</td> <td>5</td> <td>10</td> <td>15</td> <td>20</td> </tr> <tr> <td>RADIAL-FORCE F_r (N)</td> <td>130</td> <td>90</td> <td>70</td> <td>52</td> </tr> </table>				AXIAL-FORCE F_a (N)	$F_a=10$				DISTANCE a (mm)	5	10	15	20	RADIAL-FORCE F_r (N)	130	90	70	52	1	+UB external	1	GND															
AXIAL-FORCE F_a (N)	$F_a=10$																																							
DISTANCE a (mm)	5	10	15	20																																				
RADIAL-FORCE F_r (N)	130	90	70	52																																				
AMPS/PHASE		4.2					2	CAN+	2	Analog input (0-10V)																														
RESISTANCE/PHASE (Ohms)@25°C		0.375±15%					3	CAN-	3	+12V (Voltage Output, max.100mA)																														
INDUCTANCE/PHASE (mH) @1KHz		1.1±20%					4	GND	4	Output1 (open drain)																														
HOLDING TORQUE (Nm) [lb-in]		1.13 [10.00]					X3, Phoenix FMC-02		5	Output2 (open drain)																														
DETENT TORQUE (Nm) [lb-in]		0.04 [0.354]					PIN No.	Function	6	Input1 (+5/+24V)																														
STEP ANGLE (°)		1.8					1	+VCC	7	Input2 (+5/+24V)																														
ACCURACY(NON-ACCUM)		±5%					2	GND	8	Input3 (+5/+24V)																														
ROTOR INERTIA (Kg-m ²) [lb-in ²]		3.0x10 ⁻⁵ [0.102]					<table border="1"> <tr> <td>STEP</td> <td>A</td> <td>B</td> <td>A\</td> <td>B\</td> <td>CCW</td> </tr> <tr> <td>1</td> <td>+</td> <td>+</td> <td>-</td> <td>-</td> <td>↓</td> </tr> <tr> <td>2</td> <td>-</td> <td>+</td> <td>+</td> <td>-</td> <td>↑</td> </tr> <tr> <td>3</td> <td>-</td> <td>-</td> <td>+</td> <td>+</td> <td>↓</td> </tr> <tr> <td>4</td> <td>+</td> <td>-</td> <td>-</td> <td>+</td> <td>↑</td> </tr> </table>				STEP	A	B	A\	B\	CCW	1	+	+	-	-	↓	2	-	+	+	-	↑	3	-	-	+	+	↓	4	+	-	-	+	↑
STEP	A	B	A\	B\	CCW																																			
1	+	+	-	-	↓																																			
2	-	+	+	-	↑																																			
3	-	-	+	+	↓																																			
4	+	-	-	+	↑																																			
WEIGHT (Kg) [lb]		0.8					<table border="1"> <tr> <td>9</td> <td>Input4 (+5/+24V)</td> </tr> <tr> <td>10</td> <td>GND</td> </tr> </table>				9	Input4 (+5/+24V)	10	GND																										
9	Input4 (+5/+24V)																																							
10	GND																																							
OVERTEMPERATURE PROTECTION (ELECTRONICS): 80°C							FULL STEP 2 PHASE-Ex., WHEN FACING MOUNTING END (X)																																	
AMBIENT TEMPERATURE -10°~ 40°C [14°F ~ 104°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)																																								
<p>Nanotec PLUG & DRIVE</p>			SCALE FREE	APVD	G.M.	06.08.13	<p>PLUG&DRIVE MOTOR</p>																																	
			X ±0.5	CHKD																																				
01	EXCHANGE JST PIN1, PIN4	08.01.14	GYQ	1PL ±0.2	DRN	GYQ	06.08.13	DWG.NO																																
REV	DESCRIPTION	DATE	APVD	2PL ±0.1	SIGNATURE	DATE	PD4-C5918M4204-E-08																																	
				ANGLE ±30'																																				