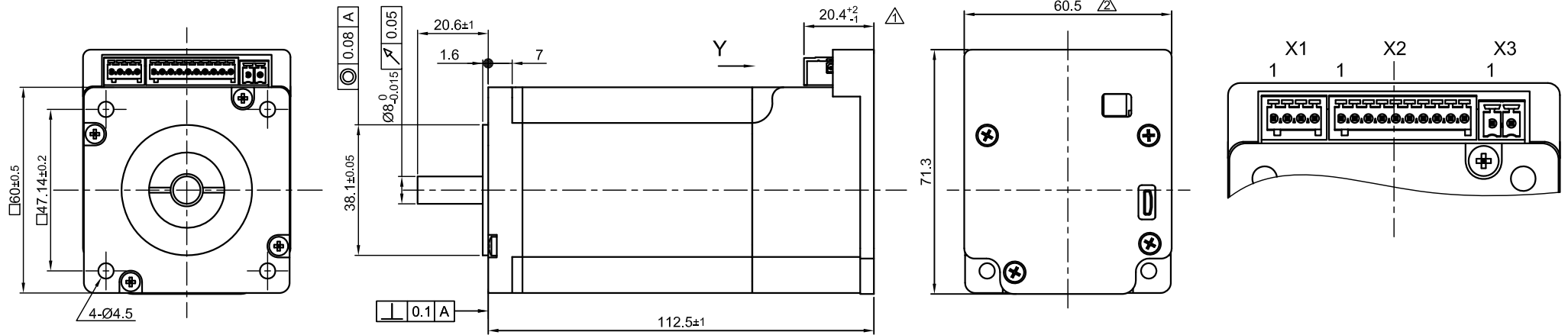


Front view and mounting

Side view

Rear view

Y view



CONNECTION		BIPOLAR \triangle		PERMISSIBLE RADIAL+AXIAL FORCE																																																			
SPECIFICATION																																																							
VOLTAGE (VDC)	12 TO 48			<table border="1"> <tr> <th colspan="2">X1, Phoenix MCV-04</th> <th colspan="2">X2, Phoenix MCV-10</th> </tr> <tr> <th>PIN No.</th> <th>Function</th> <th>PIN No.</th> <th>Function</th> </tr> <tr> <td>1</td> <td>GND</td> <td>1</td> <td>Input1 (+24V)</td> </tr> <tr> <td>2</td> <td>Analog Input(0-10V)</td> <td>2</td> <td>Input2 (+24V)</td> </tr> <tr> <td>3</td> <td>Output (open drain)</td> <td>3</td> <td>Input3 (+24V)</td> </tr> <tr> <td>4</td> <td>+12V (Voltage Output, max.100mA)</td> <td>4</td> <td>-Enable +5/+24V</td> </tr> <tr> <td></td> <td></td> <td>5</td> <td>Enable +5/+24V</td> </tr> <tr> <td></td> <td></td> <td>6</td> <td>-Direction +5/+24V</td> </tr> <tr> <td></td> <td></td> <td>7</td> <td>Direction +5/+24V</td> </tr> <tr> <td></td> <td></td> <td>8</td> <td>-Clock +5/+24V</td> </tr> <tr> <td></td> <td></td> <td>9</td> <td>Clock +5/+24V</td> </tr> <tr> <td></td> <td></td> <td>10</td> <td>GND</td> </tr> </table>				X1, Phoenix MCV-04		X2, Phoenix MCV-10		PIN No.	Function	PIN No.	Function	1	GND	1	Input1 (+24V)	2	Analog Input(0-10V)	2	Input2 (+24V)	3	Output (open drain)	3	Input3 (+24V)	4	+12V (Voltage Output, max.100mA)	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
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AMPS/PHASE(A)	4.2			<table border="1"> <tr> <th colspan="2">X3, Phoenix FMC-02</th> </tr> <tr> <th>PIN No.</th> <th>Function</th> </tr> <tr> <td>1</td> <td>+VCC(12-48V)</td> </tr> <tr> <td>2</td> <td>GND</td> </tr> </table>				X3, Phoenix FMC-02		PIN No.	Function	1	+VCC(12-48V)	2	GND																																								
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HOLDING TORQUE (Nm) [lb-in]	3.54 [31.29]			<table border="1"> <tr> <th colspan="2">AXIAL-FORCE Fa (N)</th> <th colspan="2">F_a=15</th> </tr> <tr> <td colspan="2">DISTANCE a (mm)</td> <td colspan="2">20</td> </tr> <tr> <th colspan="2">RADIAL-FORCE Fr (N)</th> <td colspan="2">52</td> </tr> <tr> <td colspan="2"></td> <th>AXIAL</th> <th>RADIAL</th> </tr> <tr> <td colspan="2">SHAFT PLAY (mm)</td> <td>0.2Max</td> <td>0.02</td> </tr> <tr> <td colspan="2">AT LOAD MAX: (N)</td> <td>200</td> <td>4.5</td> </tr> </table>				AXIAL-FORCE Fa (N)		F _a =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																								
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DETENT TORQUE (Nm) [lb-in]	0.075 [0.664]																																																						
STEP ANGLE (°)±ACCURACY	1.8±5% TO MICROSTEP																																																						
WEIGHT (Kg) [lb]	1.4[3.09]																																																						
OVERTEMPERATURE PROTECTION (ELECTRONICS): 75°C \triangle																																																							
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)																																																							
				\triangle																																																			
				APVD	G.M.	05.08.13																																																	
				CHKD																																																			
				DRN	GYQ	05.08.13																																																	
				SIGNATURE		DATE																																																	
				PLUG&DRIVE MOTOR																																																			
				DWG.NO																																																			
				PD4-C6018L4204-E-01																																																			
02	REWORK DRAW/CHANGE TOLERANCE	04.07.16	GYQ																																																				
01	TOLERANCE OF CONNECTOR LENGTH	28.01.14	GYQ																																																				
REV	DESCRIPTION	DATE	APVD	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768-cH	Work piece edge DIN ISO 13715																																																	