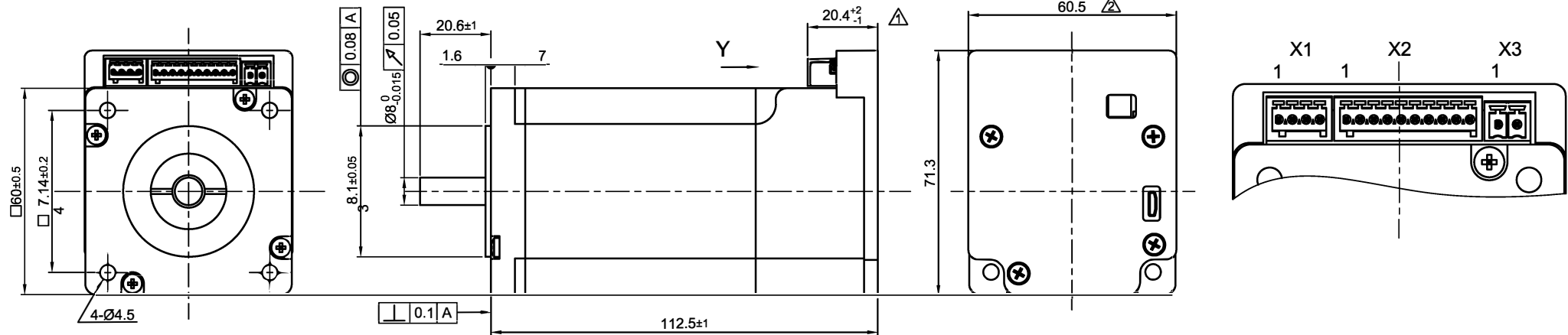


Front view and mounting

Side view

Rear view

Y view



CONNECTION		BIPOLAR $\triangle$		PERMISSIBLE RADIAL+AXIAL FORCE			X1, Phoenix MCV-04		X2, Phoenix MCV-10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
SPECIFICATION				ROTOR SPRING-MOUNTED IN AXIAL DIRECTION SPRING WASHER BEARING F_r F_a a <tr><th>VOLTAGE (VDC)</th><td colspan="2">12 TO 48</td><td></td><td>PIN No.</td><td>Function</td><td>PIN No.</td><td>Function</td></tr> <tr><th>AMPS/PHASE(A)</th><td colspan="2">4.2</td><td></td><td>1</td><td>GND</td><td>1</td><td>Input1 (+24V)</td></tr> <tr><th>HOLDING TORQUE (Nm) [lb-in]</th><td colspan="2">3.54 [31.29]</td><td></td><td>2</td><td>Analog Input(0-10V)</td><td>2</td><td>Input2 (+24V)</td></tr> <tr><th>DETENT TORQUE (Nm) [lb-in]</th><td colspan="2">0.075 [0.664]</td><td></td><td>3</td><td>Output (open drain)</td><td>3</td><td>Input3 (+24V)</td></tr> <tr><th>STEP ANGLE (°)±ACCURACY</th><td colspan="2">1.8±5% TO MICROSTEP</td><td></td><td>4</td><td>+12V (Voltage Output, max.100mA)</td><td>4</td><td>-Enable +5/+24V</td></tr> <tr><th>WEIGHT (Kg) [lb]</th><td colspan="2">1.4[3.09]</td><td></td><td colspan="2"></td><td>5</td><td>Enable +5/+24V</td></tr> <tr><td colspan="4"></td><td colspan="2"></td><td>6</td><td>-Direction +5/+24V</td></tr> <tr><td colspan="4"></td><td colspan="2"></td><td>7</td><td>Direction +5/+24V</td></tr> <tr><td colspan="4"></td><td colspan="2"></td><td>8</td><td>-Clock +5/+24V</td></tr> <tr><td colspan="4"></td><td colspan="2"></td><td>9</td><td>Clock +5/+24V</td></tr> <tr><td colspan="4"></td><td colspan="2"></td><td>10</td><td>GND</td></tr> <tr><td colspan="4"></td><td colspan="2"></td><td colspan="2">$\triangle$</td></tr> <tr><td colspan="4">OVERTEMPERATURE PROTECTION (ELECTRONICS): 75°C $\triangle$</td><td>AXIAL-FORCE F_a (N)</td><td colspan="2">$F_a=15$</td><td colspan="4"></td></tr> <tr><td colspan="4">AMBIENT TEMPERATURE -10~ 50°C [14°F ~ 122°F] (HIGHER TEMPERATURE REDUCES DUTY CYCLE)</td><td>DISTANCE a (mm)</td><td colspan="2">20</td><td colspan="4"></td></tr> <tr><td colspan="4">INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)</td><td>RADIAL-FORCE F_r (N)</td><td colspan="2">52</td><td colspan="4"></td></tr> <tr><td colspan="4">INSULATION CLASS B 130° [266°F]</td><td></td><td>AXIAL</td><td>RADIAL</td><td colspan="4"></td></tr> <tr><td colspan="4">DIELECTRIC STRENGTH 500VAC FOR 1 MIN. 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