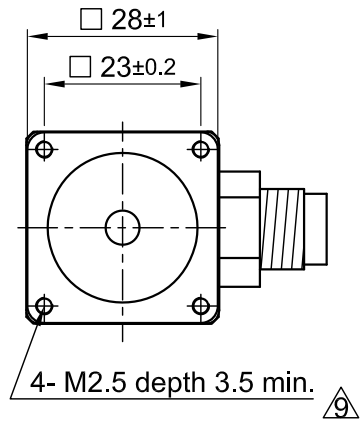
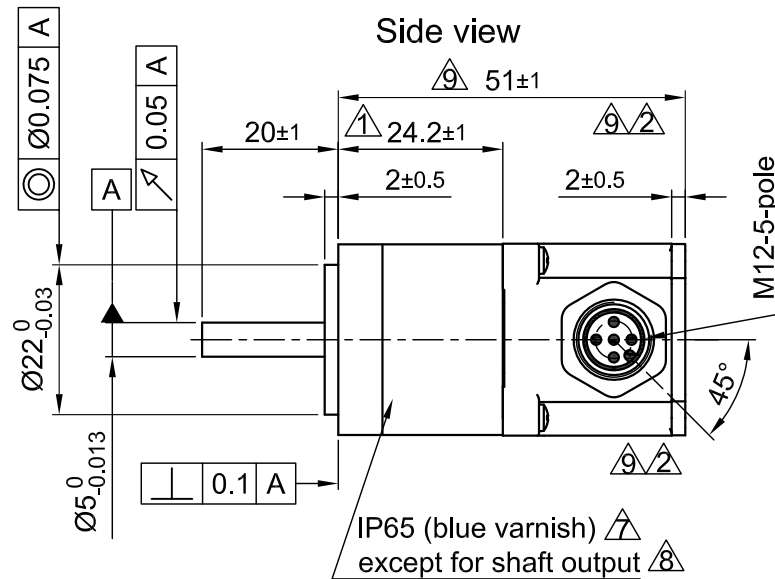


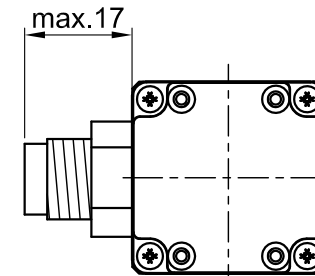
Front view and mounting



Side view



Rear view



CONNECTION		BIPOLAR SERIAL																																				
SPECIFICATION																																						
VOLTAGE (VDC)		3.75																																				
AMPS/PHASE		0.67																																				
RESISTANCE/PHASE (Ohms)@25°C		5.6±15%																																				
INDUCTANCE/PHASE (mH) @1KHz		4.0±20%																																				
HOLDING TORQUE (Nm) [lb-in]		0.071 [0.626]																																				
DETENT TORQUE (Nm) [lb-in]		2.5x10 ⁻³ [0.0222]																																				
STEP ANGLE (°)		1.8																																				
STEP ACCURACY (NON-ACCUM)		±5%																																				
ROTOR INERTIA (Kg-m ²) [lb-in ²]		9x10 ⁻⁷ [3.074x10 ⁻³]																																				
WEIGHT (Kg) [lb]		0.13 [0.287]																																				
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)		AXIAL-FORCE Fa (N)																																				
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]		Fa=7																																				
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)		DISTANCE a (mm)																																				
INSULATION CLASS B 130° [266°F]		5 10 15 20																																				
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)		RADIAL-FORCE Fr (N)																																				
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)		58 36 26 20																																				
		AXIAL RADIAL																																				
		SHAFT PLAY (mm)																																				
		0.075 0.025																																				
		AT LOAD MAX: (N)																																				
		10 5.0																																				
<p>PERMISSIBLE RADIAL+AXIAL FORCE</p> <p>ROTOR SPRING-MOUNTED IN AXIAL DIRECTION</p>																																						
<p>CABLE MOTOR: \triangle</p> <p>ZK-M12-5-2m(5m)</p> <p>STRAIGHT OR 90° ANGLED</p>																																						
<p>M12-5 pole Motor \triangle \triangle \triangle</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>ASSIGNMENT</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A\</td> </tr> <tr> <td>2</td> <td>A</td> </tr> <tr> <td>3</td> <td>B</td> </tr> <tr> <td>4</td> <td>B\</td> </tr> <tr> <td>5</td> <td>HOUSING</td> </tr> </tbody> </table>				NO.	ASSIGNMENT	1	A\	2	A	3	B	4	B\	5	HOUSING																							
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<p>FULL STEP 2 PHASE-Ex., WHEN FACING MOUNTING END (X)</p> <table border="1"> <thead> <tr> <th>STEP</th> <th>A</th> <th>B</th> <th>A\</th> <th>B\</th> <th>CW</th> <th>CCW</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>+</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> <td>↑</td> </tr> <tr> <td>3</td> <td>-</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> <td>↑</td> </tr> </tbody> </table>				STEP	A	B	A\	B\	CW	CCW	1	+	+	-	-	↓	↑	2	-	+	+	-	↓	↑	3	-	-	+	+	↓	↑	4	+	-	-	+	↓	↑
STEP	A	B	A\	B\	CW	CCW																																
1	+	+	-	-	↓	↑																																
2	-	+	+	-	↓	↑																																
3	-	-	+	+	↓	↑																																
4	+	-	-	+	↓	↑																																
9	revise drawing/ tolerances	06.10.16	A.S.	<p>Nanotec PLUG & DRIVE</p>		APVD	<i>S.Ha.</i>	11.07.07	<p>STEPPER MOTOR IN PROTECTION</p>																													
8	RISTRATION SUPPLEMENTED	17.02.10	J.W.			CHKD																																
7	BLUE VARNISH+IP65	13.01.10	J.W.	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715	DRN	<i>J.W.</i>	15.01.07	DWG.NO																												
REV	DESCRIPTION	DATE	DRN				SIGNATURE	DATE		AS2818S0604 \triangle																												