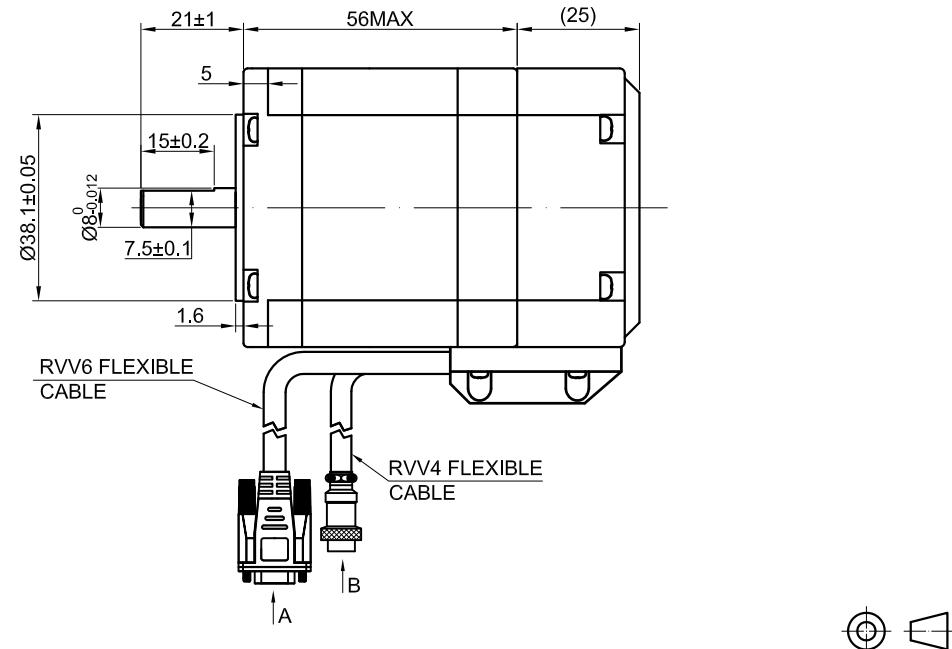
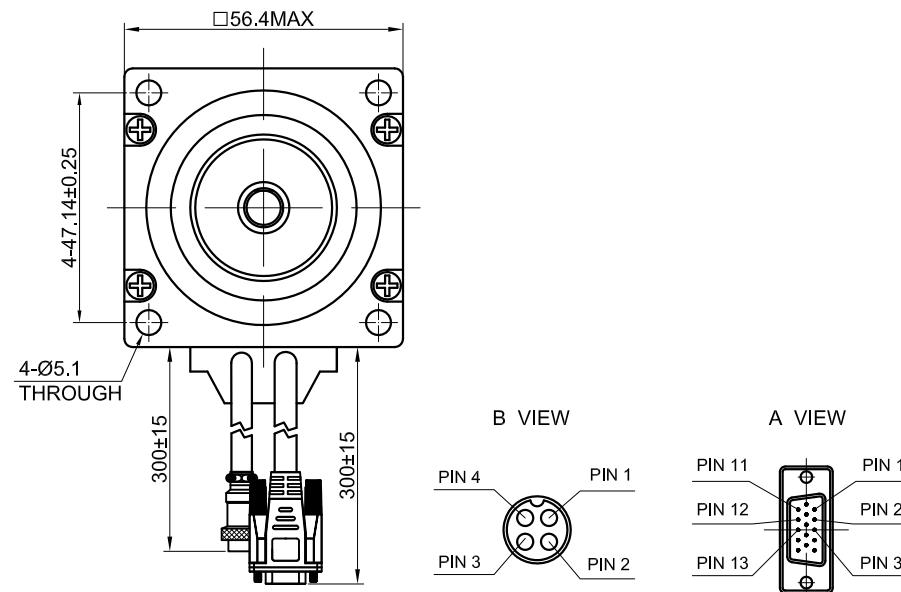


END COVER COLOR: BLACK



SPECIFICATION	CONNECTION	BIPOLAR
NO. OF PHASE		2
AMPS/PHASE		4.00
RESISTANCE/PHASE(Ohms)@20°C		0.45 ± 10%
INDUCTANCE/PHASE(mH)@1KHz		1.30 ± 20%
HOLDING TORQUE(Nm)[lb-in]		1.20 [10.63]
STEP ANGLE(°)		1.8
STEP ACCURACY(NON-ACCUM)		±5.00%
WEIGHT(Kg)[lb]		—
TEMPERATURE RISE:MAX.80°C (MOTOR STANDSTILL;FOR 2PHASE ENERGIZED)		
OPERATION AMBIENT TEMPERATURE -10°C~50°C[ 14°F~122°F]		
INSULATION RESISTANCE 100 Mohm (UNDER NORMAL TEMPERATURE AND HUMIDITY)		
INSULATION CLASS B 130°C[266°F]		
DIELECTRIC STRENGTH 500VAC FOR 1MIN.(BETWEEN THE MOTOR COILS AND THE MOTOR CASE)		

TYPE OF CONNECTION (EXTERN)		MOTOR	
PIN NO	BIPOLAR	LEADS	WINDING
1	A+ —		A+
2	A- —		A-
3	B+ —		B+
4	B- —		B-

FULL STEP 2 PHASE-Ex.,  
WHEN FACING MOUNTING END (X)

STEP	A+	B+	A-	B-	CCW	CW
1	+	+	-	-	↓	↑
2	-	+	+	-		
3	-	-	+	+		
4	+	-	-	+		

ENCODER RESOLUTION:1000PPR (4000CPR)

15-PIN DB MALE PLUG	1	2	3	11	12	13
DESCRIPTION	EA+	VCC	GND	EB+	EB-	EA-

**STEPPERONLINE®**

APVD  
10.16.2021  
CHKD  
DRN  
1:1.5  
SCALE  
SIGNATURE  
DATE

**STEPPER MOTOR**  
**23HS22-4004D-E1000**