



END COVER COLOR:BLACK

SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		6.00
RESISTANCE/PHASE(Ohms)@20°C		0.53±10%
INDUCTANCE/PHASE(mH)@1KHz		4.80±20%
HOLDING TORQUE(Nm)[lb-in]		12.0[106.29]
STEP ANGLE(°)		1.80±5.00%
ROTOR INERTIA(g-cm²)		3600
WEIGHT(Kg)[lb]		5.5[12.1254]
RELIABILITY:MTBF 6000 HOURS OR MORE.@24V/300RPM		
TEMPERATURE RISE:MAX.80°C (MOTOR STANDSTILL;FOR 2PHASE ENERGIZED)		
AMBIENT TEMPERATURE -20°C~50°C[-4°F~122°F]		
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	+	+	-	-	↓	↑	CW
2	-	+	+	-			
3	-	-	+	+	↑	↓	CCW
4	+	-	-	+			

ENCODER RESOLUTION:1000PPR(4000CPR)

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



APVD		5.23.2023
CHKD		
1:1.5	DRN	
SCALE	SIGNATURE	DATE

STEPPER MOTOR

34HS59-6004D-E1000