



NOTE:
 1. THE KEY DOES NOT NEED TO BE INSTALLED AND IS SHIPPED WITH THE MOTOR.
 2. MOUNTING MOTOR AND GEARBOX WITHOUT GLUE. EASY TO DISASSEMBLE.

SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		2.80
RESISTANCE/PHASE(Ohms)@25°C		0.90±10%
INDUCTANCE/PHASE(mH)@1KHz		2.80±20%
HOLDING TORQUE w/o GEARBOX (Nm)[lb-in]		1.02[9.03]
GEAR RATIO		50
EFFICIENCY		75.00%
STEP ANGLE w/o GEARBOX(°)		1.80
BACKLASH@NO-LOAD(°)		1.6
MAX.PERMISSIBLE TORQUE(Nm)		20.00
MOMENT PERMISSIBLE TORQUE(Nm)		40.00
WEIGHT(kg)		—
LIFE(h)		6000.00
AMBIENT TEMPERATURE(°C)		-10 ~ 50
INSULATION CLASS		B
MAX. AXIAL LOAD(N)		100
MAX. RADIAL LOAD(N)		250

PIN NO	TYPE OF CONNECTION (EXTERN)		MOTOR	
	BIPOLAR	LEADS	WINDING	
1	A —	BLK	A	
2	A\ —	GRN	A\	
3	B —	RED	B	
4	B\ —	BLU	B\	

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

STEP	A	B	A\	B\		CCW
1	+	+	-	-		
2	-	+	+	-		
3	-	-	+	+		
4	+	-	-	+		

ENCODER CONNECTION:1000PPR(4000CPR)									
LEAD COLOR	RED	BLK	BRN	ORG	BLU	GRN	YEL	WHT	
DESCRIPTION	+5V	EGND	EA+	EA-	EB+	EB-	EZ+	EZ-	



APVD		3.1.2023
CHKD		
1:1.5	DRN	
SCALE	SIGNATURE	DATE

STEPPER MOTOR

23HS22-2804-HG50-ME1K