



SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		1.68
RESISTANCE/PHASE(Ohms)@25°C		1.60±10%
INDUCTANCE/PHASE(mH)@1KHz		3.20±20%
HOLDING TORQUE w/o GEARBOX(Nm)[lb-in]		0.39[3.45]
GEAR RATIO		50
EFFICIENCY		94.00%
STEP ANGLE w/o GEARBOX(°)		1.80
BACKLASH@NO-LOAD(arcmin)		<=20
MAX.PERMISSIBLE TORQUE(Nm)		10.00
MOMENT PERMISSIBLE TORQUE(Nm)		20.00
WEIGHT(kg)		—
LIFE(h)		6000.00
AMBIENT TEMPERATURE(°C)		-10 ~ 50
INSULATION CLASS		B
MAX. AXIAL FORCE(N)		100
MAX. RADIAL LOAD(N)		300

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'		
1	+	+	-	-		CCW ↑ ↓ CW
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		5.22.2023
CHKD		
1:1	DRN	
SCALE	SIGNATURE	DATE

**STEPPER MOTOR**  
17HS15-1684D-EG50-AR4