



MOTOR 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 w/o GEARBOX(Nm)[lb-in]		1.20 [10.63]
STEP ANGLE w/o GEARBOX(°)		1.8
GEAR RATIO		50
EFFICIENCY		82.00%REF
BACKLASH@NO-LOAD(arcmin)		<=25
MAX.PERMISSIBLE TORQUE(Nm)		25.00
MOMENT PERMISSIBLE TORQUE(Nm)		40.00
AMBIENT TEMPERATURE(°C)		-10 ~ 50
INSULATION CLASS		B

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

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

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

ENCODER RESOLUTION:1000CPR

15-PIN DB MALE PLUG	1	2	3	11	12	13
LEAD COLOR	BLK	RED	WHT	YEL	GRN	BLU
DESCRIPTION	EA+	VCC	GND	EB+	EB-	EA-

**STEPPERONLINE®**

APVD		5.9.2020
CHKD		
1:1.5	DRN	
SCALE	SIGNATURE	DATE

**STEPPER MOTOR**

**23HS22-HG50-E1000**