



SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		0.60
RESISTANCE/PHASE(Ohms)@20°C		6.20±10%
INDUCTANCE/PHASE(mH)@1KHz		1.60±20%
HOLDING TORQUE(Nm)[lb-in]		0.015[0.13]
STEP ANGLE(°)		1.80
STEP ACCURACY(NON-ACCUM)		±5.00%
ROTOR INERTIA(g-cm²)		3.20
WEIGHT(Kg)[lb]		0.06[0.13]
TEMPERATURE RISE:MAX.80°C (MOTOR STANDSTILL;FOR 2PHASE ENERGIZED)		
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)		
AMBIENT HUMIDITY MAX.85%(NO CONDENSATION)		

TYPE OF CONNECTION (EXTERN)		MOTOR	
PIN NO	BIPOLAR	LEADS	WINDING
1	A —	GRN	A
2	A\ —	BLK	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	CW
1	+	+	-	-	↓	↑
2	-	+	+	-	↓	↑
3	-	-	+	+	↓	↑
4	+	-	-	+	↓	↑

ENCODER RESOLUTION:1000PPR(4000CPR)								
LEAD COLOR	GRN	RED	BLK	YEL	PUE	WHT	BLU	BRN
DESCRIPTION	EA+	VCC	GND	EZ+	EZ-	EB+	EB-	EA-

STEPPERONLINE®

2:1

SCALE

APVD		4.10.2023
CHKD		
DRN		
SIGNATURE		DATE

STEPPER MOTOR

8HS12-0604D-E1000