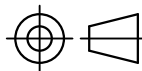


FULL STEP 2 PHASE-Ex., WHEN FACING MOUNTING END (X)

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

UNIT mm
 GB/T 1804-M EQV.ISO
 2768-1 CLASS M:
 ≤6 ±0.1
 >6~30 ±0.2
 >30~120 ±0.3
 >120~400 ±0.5



mm

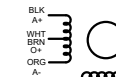
UNITS

2:3

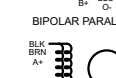
SCALE

WINDING

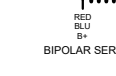
UNIPOLAR



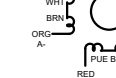
BIPOLAR PARALLEL



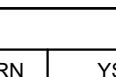
BIPOLAR SERIES



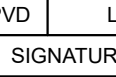
UNIPOLAR



BIPOLAR PARALLEL



BIPOLAR SERIES



CONNECTION SPECIFICATION

	UNIPOLAR	BIPOLAR (SERIAL)	BIPOLAR (PARALLEL)
AMPS/PHASE	4.00	2.83	5.66
RESISTANCE/PHASE(Ohms)@25°C	0.80±10%	1.60±10%	0.40±10%
INDUCTANCE/PHASE(mH)@1KHz	1.80±20%	7.20±20%	1.80±20%
HOLDING TORQUE(Nm)[lb-in]	2.00[17.70]	2.83[25.05]	2.83[25.05]
STEP ANGLE(°)	1.80		
STEP ACCURACY(NON-ACCUM)	±5.00%		
ROTOR INERTIA(g-cm²)	530.00		
WEIGHT(Kg)[lb]	—		
AMBIENT TEMPERATURE	-10°C~50°C[14°F~122°F]		
INSULATION CLASS	B 130°C[266°F]		
TEMPERATURE RISE	MAX.80°C		

OSMTEC®
 Stepper Motor Specialists

STEPPER MOTOR

23HS33-4008D

DRN	YSX	1.13.2026
APVD	LJ	1.13.2026
SIGNATURE		DATE