

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

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

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



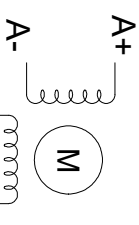
mm

UNITS

2:3

SCALE

WINDING



WINDING		CONNECTION	
PIN NO	BIPOLAR	LEADS	BIPOLAR
1	A+	BLK	0.44±10%
2	A-	GRN	1.80±20%
3	B+	RED	2.00 [17.71]
4	B-	BLU	1.80
SPECIFICATION		BIPOLAR	
AMPS/PHASE		5.00	
RESISTANCE/PHASE (Ohms)@25°C		0.44±10%	
INDUCTANCE/PHASE (mH)@1KHz		1.80±20%	
HOLDING TORQUE (Nm) [lb-in]		2.00 [17.71]	
STEP ANGLE (°)		1.80	
STEP ACCURACY (NON-ACCUM)		±5.00%	
ROTOR INERTIA (g-cm <sup>2</sup> )		480	
IP RATING		IP65	
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

23IP65-20

DRN	LDJ	1.13.2026
APVD	ZPJ	1.19.2026
SIGNATURE	DATE	