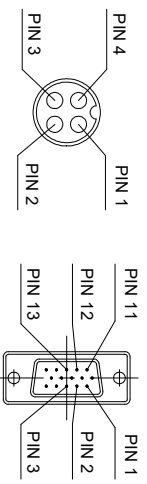
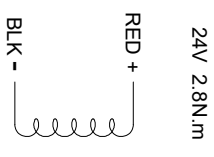


4-PIN GX16 FEMALE PLUG 15-PIN DB MALE PLUG



BRAKE CONNECTIONS



15-PIN DB MALE PLUG	1	2	3	11	12	13
DESCRIPTION	EA+	VCC	GND	EB+	EB-	EA-

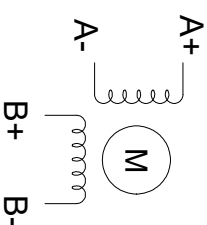
FULL STEP 2 PHASE-EX. WHEN FACING MOUNTING END (X)

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

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



WINDING



CONNECTION

PIN NO	BIPOLAR	LEADS	SPECIFICATION	CONNECTION	BIPOLAR
1	A+	-	AMPS/PHASE		4.00
2	A-	-	RESISTANCE/PHASE(Ohms)@25°C		0.50±10%
3	B+	-	INDUCTANCE/PHASE(mH)@1KHz		1.70±20%
4	B-	-	HOLDING TORQUE(Nm)[lb-in]		1.20 [10.63]
			STEP ANGLE(°)		1.80
			STEP ACCURACY(NON-ACCUM)		±5.00%
			ROTOR INERTIA(g-cm <sup>2</sup> )		300
			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**<sup>®</sup>  
 Stepper Motor Specialists

mm	
UNITS	
2:3	
SCALE	

DRN	LDJ	1.13.2026
APVD	ZPJ	1.19.2026
SIGNATURE	DATE	

**STEPPER MOTOR**  
 23HS22-4004D-E1000-B280