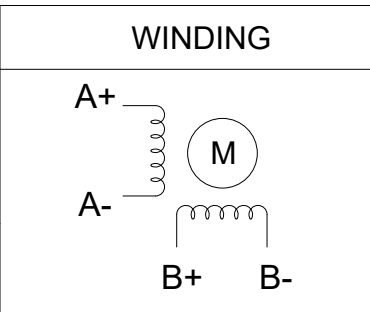


PHOTOELECTRIC SWITCH SEQUENCE		
PIN NO	BIPOLAR	LEADS
1	+5~24V	BRN
2	GND	BLU
3	SIGNAL LINE	BLK
4	N/A	WHT

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

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

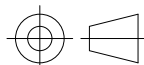
UNIT mm  
 GB/T 1804-M EQV.ISO  
 2768-1 CLASS M:  
 <=6 ±0.1  
 >6~30 ±0.2  
 >30~120 ±0.3  
 >120~400 ±0.5



PIN NO	BIPOLAR	LEADS
1	A+	RED
2	A-	RED/WHT
3	B+	GRN
4	B-	GRN/WHT

SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		0.50
RESISTANCE/PHASE(Ohms)@25°C		5.00±10%
INDUCTANCE/PHASE(mH)@1KHz		1.50±20%
HOLDING TORQUE(Nm)[lb-in]		0.01[0.09]
MAXIMUM THRUST(N)		--
STEP ANGLE(°)		1.80
STEP ACCURACY(NON-ACCUM)		±5.00%
LEAD(mm)[in]		5.08[0.20]
LINEAR TRAVEL/STEP(mm)[in]		0.0254[0.001]
RATED LOAD CAPACITY(N)		60
MAX SPEED(mm/s)		76.2
POSITION ACCURACY(mm)		±0.02
AMBIENT TEMPERATURE		-20°C~50°C[-4°F~122°F]
INSULATION CLASS		B 130°C[266°F]
TEMPERATURE RISE		MAX.80°C

**OSMTEC**®  
 Stepper Motor Specialists



mm

UNITS

1:1

SCALE

DRN

APVD

SIGNATURE

LDJ

ZPJ

SIGNATURE

1.14.2026

1.19.2026

DATE

STEPPER MOTOR LINEAR ACTUATOR

LMD8S11HD05-090