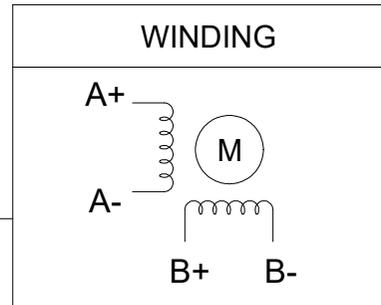


PHOTOELECTRIC SWITCH SEQUENCE		
PIN NO	BIPOLAR	LEADS
1	+5~24V	BRN
2	GND	BLU
3	SIGNAL LINE	BLK
4	N/A	WHT

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

STEP	A+	B+	A-	B-	↓ CW	↑ 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



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

SPECIFICATION	CONNECTION	BIPOLAR
AMPS/PHASE		1.50
RESISTANCE/PHASE(Ohms)@25°C		1.70±10%
INDUCTANCE/PHASE(mH)@1KHz		2.50±20%
HOLDING TORQUE(Nm)[lb-in]		0.25[2.22]
MAXIMUM THRUST(N)		110
STEP ANGLE(°)		1.80
STEP ACCURACY(NON-ACCUM)		±5.00%
LEAD(mm)[in]		6.35[0.25]
LINEAR TRAVEL/STEP(mm)[in]		0.03175[0.00125]
RATED LOAD CAPACITY(N)		300
MAX SPEED(mm/s)		95.25
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**<sup>®</sup>  
Stepper Motor Specialists



mm			
UNITS	DRN	LDJ	1.14.2026
1:1	APVD	ZPJ	1.19.2026
SCALE	SIGNATURE		DATE

STEPPER MOTOR LINEAR ACTUATOR

LMD17S13RF15-120