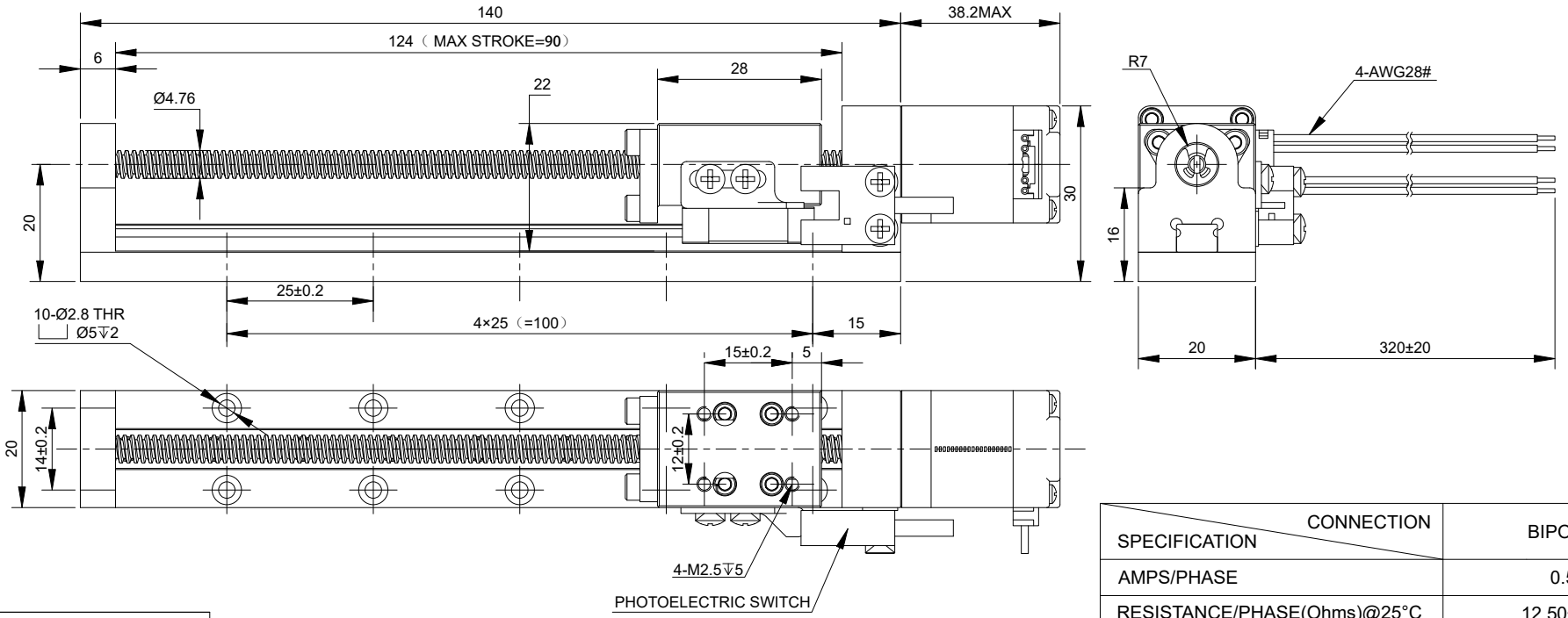
DWG NO. -



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)

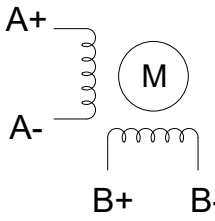
STEP	A+	B+	A-	B-
1	+	+	-	-
2	-	+	+	-
3	-	-	+	+
4	+	-	-	+

CW ↓ CCW ↑

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

WINDING



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	12.50±10%
INDUCTANCE/PHASE(mH)@1KHz	4.50±20%
HOLDING TORQUE(Nm)[lb-in]	0.02[0.18]
MAXIMUM THRUST(N)	--
STEP ANGLE(°)	1.80
STEP ACCURACY(NON-ACCUM)	±5.00%
LEAD(mm)[in]	10.16[0.40]
LINEAR TRAVEL/STEP(mm)[in]	0.0508[0.002]
RATED LOAD CAPACITY(N)	60
MAX SPEED(mm/s)	152.4
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	DRN	LDJ	1.14.2026
1:1	APVD	ZPJ	1.19.2026
SCALE	SIGNATURE		DATE

STEPPER MOTOR LINEAR ACTUATOR

LMD8S15ND05-090