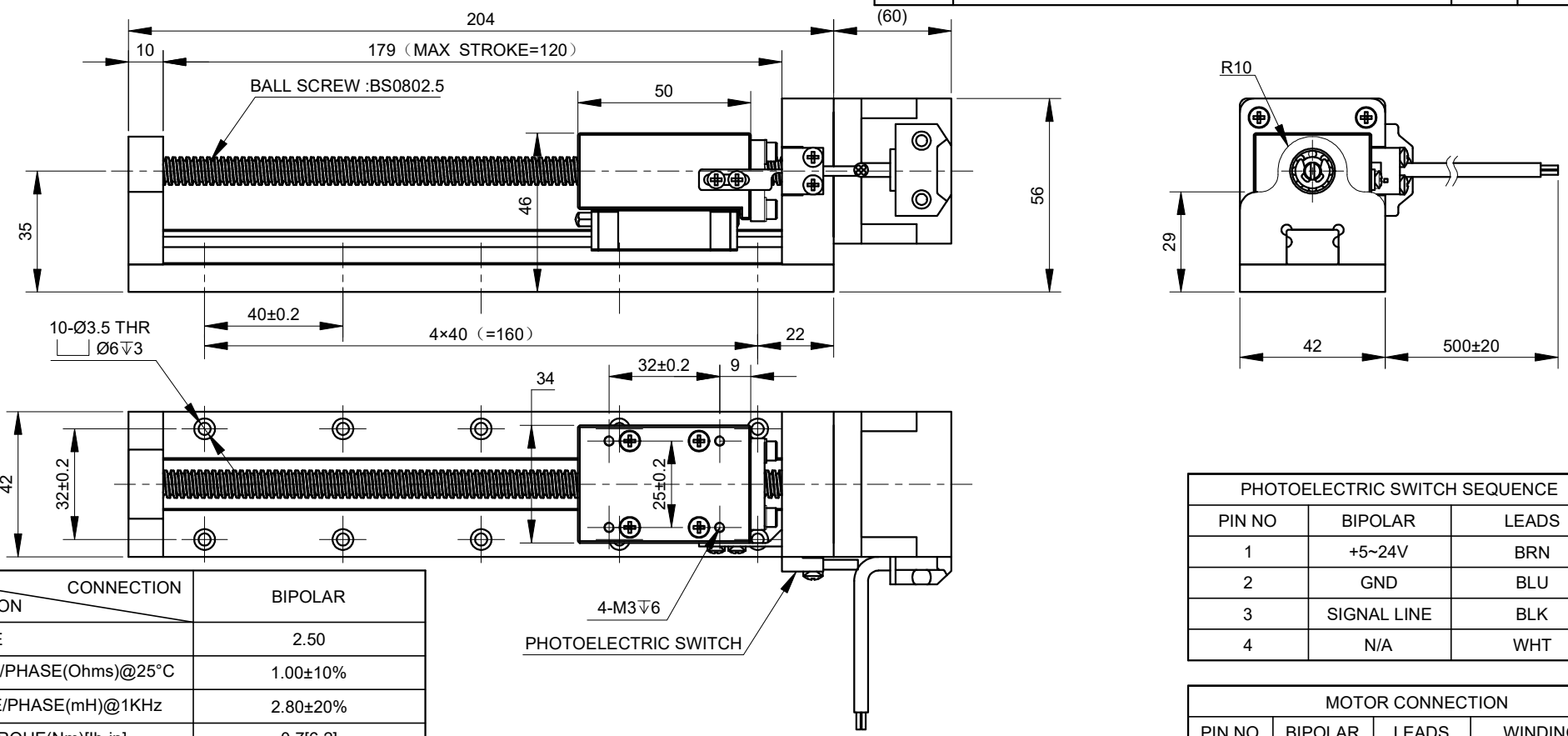
MODEL NO.	LMD17S24BADB25-120	DWG NO.	A6682

CUSTOMER'S MODEL: NO MODEL
END COVER COLOR: BLACK

REV.	REVISION RECORD	BY	DATE
0	ORIGIN	LJ	4.14.2026



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

SPECIFICATION \ CONNECTION	BIPOLAR
AMPS/PHASE	2.50
RESISTANCE/PHASE(Ohms)@25°C	1.00±10%
INDUCTANCE/PHASE(mH)@1KHz	2.80±20%
HOLDING TORQUE(Nm)[lb-in]	0.7[6.2]
MAXIMUM THRUST(N)	585
STEP ANGLE(°)	1.80
STEP ACCURACY(NON-ACCUM)	±5.00%
LEAD(mm)[in]	2.5[0.09842]
LINEAR TRAVEL/STEP(mm)[in]	0.0125[0.00049213]
RATED LOAD CAPACITY(N)	565
MAX SPEED(mm/s)	85
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

COMMENT:
1.TMBF 6000h OR MORE @ 24V/300RPM
2.INSULATION RESISTANCE
(NORMAL TEMPERATURE AND HUMIDITY): 100 Mohm
3.DIELECTRIC STRENGTH 500VAC FOR 1MIN.
(BETWEEN THE MOTOR COILS AND THE MOTOR CASE)

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

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

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

DIMENSIONS ARE IN MILLIMETERS.
TOLERANCES AS BELOW:

DECIMALS		ANGLES
X	±0.5	±2°
X.X	±0.25	
X.XX	±0.13	

THIRD ANGLE PROJECTION

THIS DOCUMENT SHALL NOT BE REPRODUCED NOR SHALL THE INFORMATION CONTAINED HEREIN BE USED BY OR DISCLOSED TO OTHERS UNLESS EXPRESSLY AUTHORIZED IN BY WRITING STEPPERONLINE.

	SIGNATURE	DATE
DRN	LJ	4.14.2026
APVD	ZPJ	4.14.2026

STEPPERONLINE®

LINEAR ACTUATORS

LMD17S24BADB25-120

REV.	0	SCALE	1:1	DWG NO.	A6682