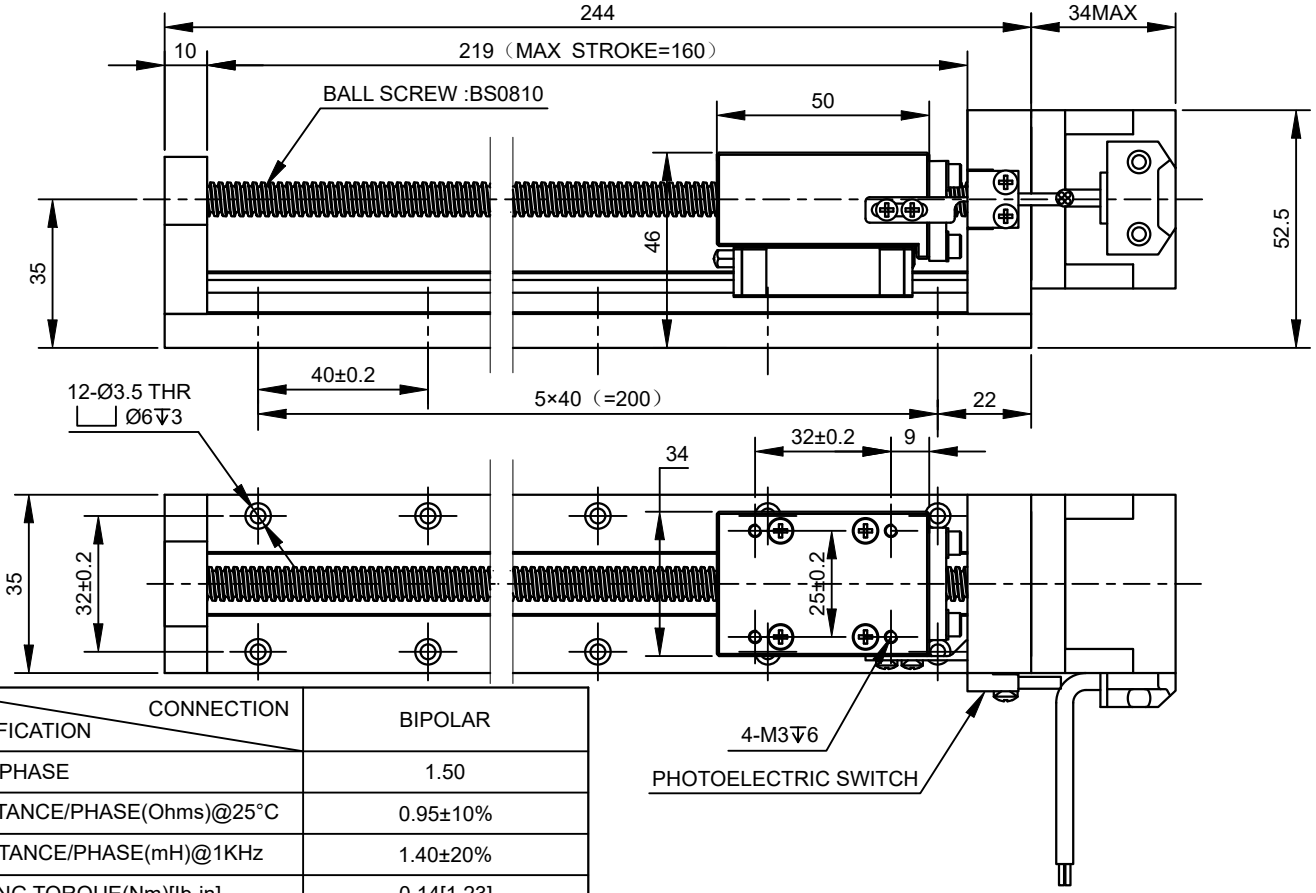
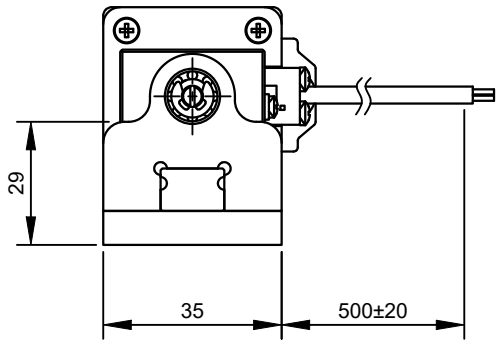
| MODEL NO. | LMD14S13B1B15-160 | DWG NO. | A6513 |
|---|---|---|---|

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

| REV. | REVISION RECORD | BY | DATE |
|---|---|---|---|
| 0 | ORIGIN | YSX | 4.13.2026 |
| | | | |




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

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

| SPECIFICATION \ CONNECTION | BIPOLAR |
|---|---|
| AMPS/PHASE | 1.50 |
| RESISTANCE/PHASE(Ohms)@25°C | 0.95±10% |
| INDUCTANCE/PHASE(mH)@1KHz | 1.40±20% |
| HOLDING TORQUE(Nm)[lb-in] | 0.14[1.23] |
| MAXIMUM THRUST(N) | 97.5 |
| STEP ANGLE(°) | 1.80 |
| STEP ACCURACY(NON-ACCUM) | ±5.00% |
| LEAD(mm)[in] | 10[0.393] |
| LINEAR TRAVEL/STEP(mm)[in] | 0.05[0.001965] |
| RATED LOAD CAPACITY(N) | 77.5 |
| MAX SPEED(mm/s) | 150 |
| 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 )

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

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

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 | YSX | 4.13.2026 |
| APVD | LDJ | 4.15.2026 |

STEPPERONLINE®

LINEAR ACTUATORS

LMD14S13B1B15-160

| REV. | 0 | SCALE | 1:1 | DWG NO. | A6513 |
|---|---|---|---|---|---|