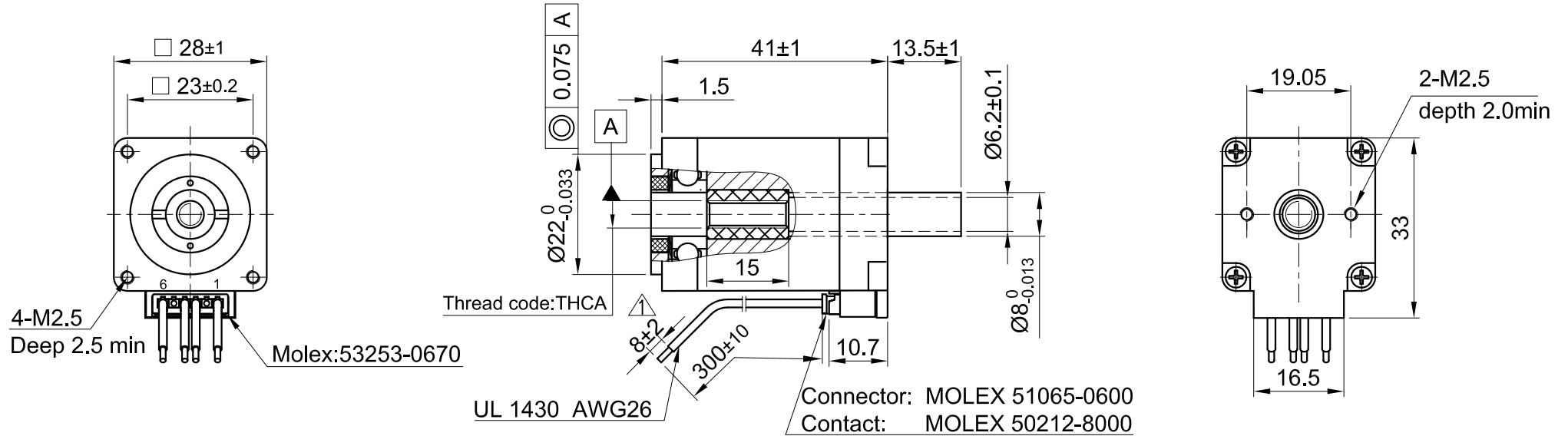


Front view and mounting

Side view

Rear view



| CONNECTION   | BIPOLAR    |
|--|------------|
| SPECIFICATION  | BIPOLAR    |
| AMPS/PHASE   | 0.67       |
| RESISTANCE/PHASE (Ohms)@25°C   | 7.3±15%    |
| INDUCTANCE/PHASE (mH) @1KHz  | 6.52±20%   |
| THREAD DIAMETER (mm) [in]  | 5 [0.197]  |
| THREAD LEAD(mm) [in]   | 2 [0.079]  |
| THRUST (N) [lbf]   | 152[34.2]  |
| RESOLUTION (mm/STEP)   | 0.01       |
| MAX. SPEED (mm/sec.) AT 24V  | 35         |
| WEIGHT (Kg) [lb]   | 0.14[0.31] |
| TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)               |            |
| AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]                                      |            |
| INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)             |            |
| INSULATION CLASS B 130° [266°F]  |            |
| DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE) |            |
| AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)  |            |

Please regard the application note at [www.nanotec.com](http://www.nanotec.com) for further informations.

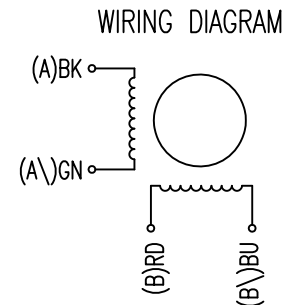


| TYPE OF CONNECTION (EXTERN) | MOTOR             |       |         |
|-----------------------------|-------------------|-------|---------|
|                             | CONNECTOR PIN NO. | LEADS | WINDING |
| A —                         | 1                 | BK    | A       |
| A\ —                        | 3                 | GN    |         |
| B —                         | 4                 | RD    | B       |
| B\ —                        | 6                 | BU    |         |



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

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



|     |                              |          |     |   |                                    |                               |           |   |
|-----|------------------------------|----------|-----|---|------------------------------------|-------------------------------|-----------|---|
| 2   | Remove shaft play adjustable | 11.03.19 | X T | <br><b>Nanotec</b> <sup>®</sup><br>PLUG & DRIVE | APVD                               | J.S.                          | 16.02.17  | <b>LINEAR ACTUATOR</b><br>DWG.NO<br>LA281M06-B-THCA |
| 1   | -                            | 11.12.18 | X T |   | CHKD                               | GYQ                           | 16.02.17  |   |
| D   | -                            | 26.02.18 | L W |   | DRN                                | B.L.                          | 16.02.17  |   |
| REV | DESCRIPTION                  | DATE     | DRN | Surface specification DIN ISO 1302              | General tolerances DIN ISO 2768-CH | Work piece edge DIN ISO 13715 | SIGNATURE | DATE  |