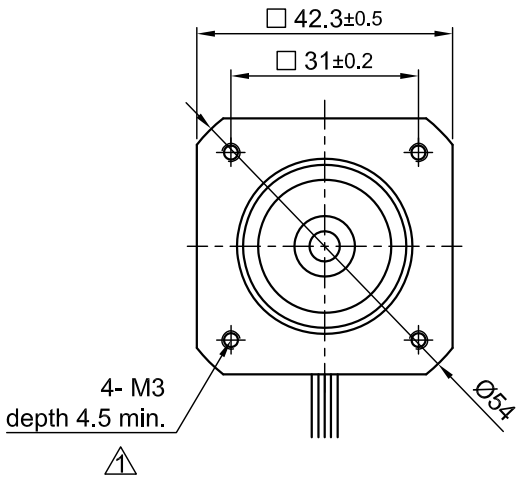
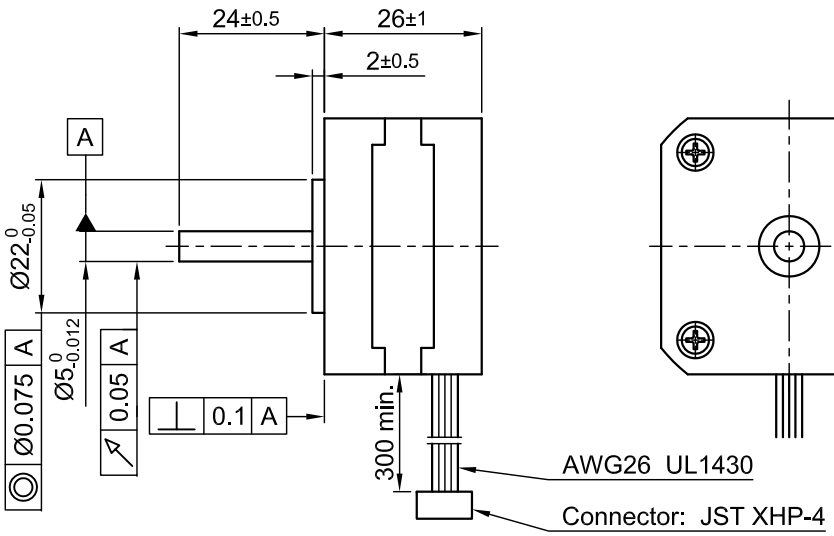
Front view and mounting




Side view

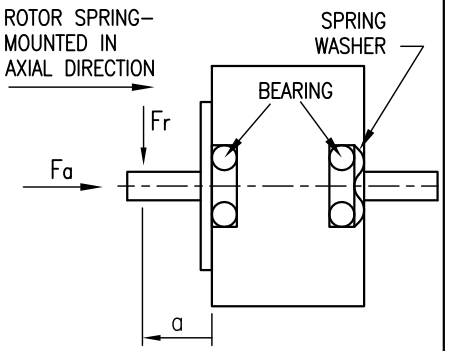



Rear view



| CONNECTION / SPECIFICATION | BIPOLAR |
|---|---|
| VOLTAGE (VDC) | 2.8 |
| AMPS/PHASE | 1.4 |
| RESISTANCE/PHASE (Ohms)@25°C | 2.0±15% |
| INDUCTANCE/PHASE (mH) @1KHz | 1.6±20% |
| HOLDING TORQUE (Nm) [lb-in] | 0.09 [0.797] |
| DETENT TORQUE (Nm) [lb-in] | $3.1x10^{-4}$ [$2.79x10^{-3}$] |
| STEP ANGLE (°) | 1.8 |
| STEP ACCURACY (NON-ACCUM) | ±5% |
| ROTOR INERTIA (Kg-$m^2$) [lb-$in^2$] | $2.0x10^{-6}$ [$6.83x10^{-4}$] |
| WEIGHT (Kg) [lb] | 0.15 [0.33] |

PERMISSIBLE RADIAL+AXIAL FORCE




| AXIAL-FORCE Fa (N) | Fa=7 | | | |
|---|---|---|---|---|
| DISTANCE a (mm) | 5 | 10 | 15 | 20 |
| RADIAL-FORCE Fr (N) | 58 | 36 | 26 | 20 |

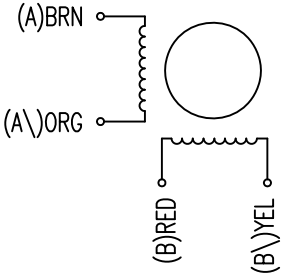
| | AXIAL | RADIAL |
|---|---|---|
| SHAFT PLAY (mm) | 0.08 | 0.02 |
| AT LOAD MAX: (N) | 4.5 | 4.5 |

| TYPE OF CONNECTION (EXTERN) | | MOTOR | |
|---|---|---|---|
| PIN NO | BIPOLAR | LEADS | WINDING |
| 1 | A — | BRN | A |
| 2 | A\ — | ORG | A\ |
| 3 | B — | RED | B |
| 4 | B\ — | YEL | B\ |

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

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

WIRING DIAGRAM




| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Nanotec® PLUG & DRIVE | | APVD | S.Ha. | 17.10.08 |
| | | | | | | CHKD | | |
| 1 | rework draw/change depth M3 | 09.02.16 | A.S. | Surface specification DIN ISO 1302 | General tolerances DIN ISO 2768-cH | DRN | J.W. | 17.10.08 |
| REV | DESCRIPTION | DATE | DRN | | Work piece edge DIN ISO 13715 | SIGNATURE | | DATE |

STEPPING MOTOR

DWG.NO

ST4118X1404-A