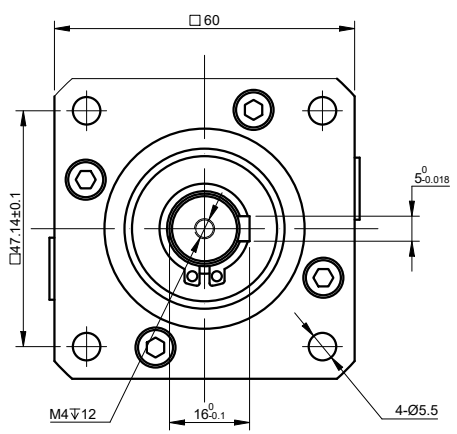
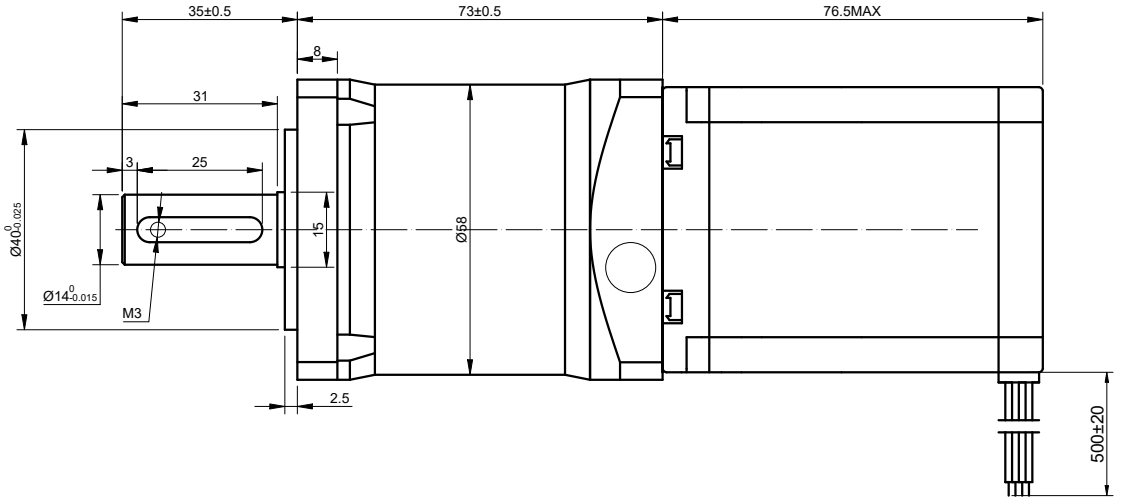
DWG NO. -




| SPECIFICATION | VALUE |
|---|---|
| AMPS/PHASE | 2.90 |
| RESISTANCE/PHASE(Ohms)@25°C | 1.13±10% |
| INDUCTANCE/PHASE(mH)@1KHz | 4.80±20% |
| HOLDING TORQUE w/o GEARBOX(Nm)[lb-in] | 1.90[16.82] |
| GEAR RATIO | 50 |
| EFFICIENCY | 94% |
| STEP ANGLE w/o GEARBOX(°) | 1.80±5.00% |
| BACKLASH@NO-LOAD | <=15 |
| MAX.PERMISSIBLE TORQUE(Nm) | 25.00 |
| MOMENT PERMISSIBLE TORQUE(Nm) | 50.00 |
| SHAFT MAXIMUM AXIAL LOAD(N) | - |
| SHAFT MAXIMUM RADIAL LOAD(N) | - |
| AMBIENT TEMPERATURE | -10°C~50°C[14°F~122°F] |
| INSULATION CLASS | B 130°C[266°F] |
| TEMPERATURE RISE | MAX.80°C |

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

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

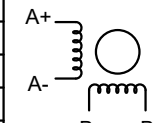
CW ↓ CCW ↑

UNIT mm
GB/T 1804-M EQV.ISO 2768-1 CLASS M:

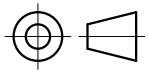
| | |
|---|---|
| <=6 | ±0.1 |
| >6~30 | ±0.2 |
| >30~120 | ±0.3 |
| >120~400 | ±0.5 |

MOTOR CONNECTION

| PIN NO | BIPOLAR | LEADS |
|---|---|---|
| 1 | A+ | BLK |
| 2 | A - | GRN |
| 3 | B+ | RED |
| 4 | B - | BLU |




OSMTEC®
Stepper Motor Specialists



| | | | |
|---|---|---|---|
| mm | | | |
| UNITS | DRN | LJ | 1.15.2026 |
| 2:3 | APVD | MYX | 1.15.2026 |
| SCALE | SIGNATURE | | DATE |

# GEARBOX MOTOR

23HS30-2904S-EGS50