



| SPECIFICATION | CONNECTION | BIPOLAR |
|---------------------------------------|------------|------------|
| AMPS/PHASE | | 1.68 |
| RESISTANCE/PHASE(Ohms)@25°C | | 1.60±10% |
| INDUCTANCE/PHASE(mH)@1KHz | | 3.20±20% |
| HOLDING TORQUE w/o GEARBOX(Nm)[lb-in] | | 0.39[3.45] |
| GEAR RATIO | | 10 |
| EFFICIENCY | | 96.00% |
| STEP ANGLE w/o GEARBOX(°) | | 1.80 |
| BACKLASH@NO-LOAD(arcmin) | | <=15 |
| MAX.PERMISSIBLE TORQUE(Nm) | | 5 |
| MOMENT PERMISSIBLE TORQUE(Nm) | | 10 |
| WEIGHT(kg) | | — |
| LIFE(h) | | 6000.00 |
| AMBIENT TEMPERATURE(°C) | | -10 ~ 50 |
| INSULATION CLASS | | B |
| MAX. AXIAL LOAD(N) | | 100 |
| MAX. RADIAL LOAD(N) | | 300 |

| PIN NO | TYPE OF CONNECTION (EXTERN) | | MOTOR | |
|--------|-----------------------------|-------|---------|--|
| | BIPOLAR | LEADS | WINDING | |
| 1 | A — | BLK | A | |
| 2 | A\ — | GRN | A\ | |
| 3 | B — | RED | B | |
| 4 | B\ — | BLU | B\ | |

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

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

| ENCODER CONNECTION:1000PPR(4000CPR) | | | | | | | | | |
|-------------------------------------|-----|------|-----|-----|-----|-----|-----|-----|--|
| LEAD COLOR | RED | BLK | BRN | ORG | BLU | GRN | YEL | WHT | |
| DESCRIPTION | +5V | EGND | EA+ | EA- | EB+ | EB- | EZ+ | EZ- | |

STEPPERONLINE®

| | | |
|-------|-----------|-----------|
| APVD | | 5.22.2023 |
| CHKD | | |
| 1:1 | DRN | |
| SCALE | SIGNATURE | DATE |

STEPPER MOTOR

17HS15-1684D-EG10-AR4