



| SPECIFICATION | CONNECTION | BIPOLAR |
|----------------------------------------------------------------------------------|------------|-------------|
| AMPS/PHASE | | 6.00 |
| RESISTANCE/PHASE(Ohms)@20°C | | 0.32±0.1 |
| INDUCTANCE/PHASE(mH)@1KHz | | 2.80±20% |
| HOLDING TORQUE(Nm)[lb-in] | | 5.8 [51.37] |
| STEP ANGLE(°) | | 1.80±5.00% |
| DYNAMIC AXIAL LOAD(N) | | 34.00 |
| DYNAMIC RADIAL LOAD(N)@SHAFT LENGTH 20mm | | 184.00 |
| ROTOR INERTIA(g-cm²) | | 2300.00 |
| WEIGHT(Kg)[lb] | | 3.3 [7.28] |
| RELIABILITY:MTBF 6000 HOURS OR MORE.@24V/300RPM | | |
| TEMPERATURE RISE:MAX.80°C (MOTOR STANDSTILL;FOR 2PHASE ENERGIZED) | | |
| AMBIENT TEMPERATURE -20°C~50°C[-4°F~122°F] | | |
| INSULATION CLASS B 130°C[266°F] | | |
| DIELECTRIC STRENGTH 500VAC FOR 1MIN.(BETWEEN THE MOTOR COILS AND THE MOTOR CASE) | | |

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

| 4-PIN QL16 MALE PLUG | 1 | 2 | 3 | 4 |
|----------------------|-----|-----|-----|-----|
| LEAD COLOR | WHT | GRN | BLU | BLK |

| 15-PIN DB MALE PLUG | 1 | 2 | 3 | 11 | 12 | 13 |
|---------------------|-----|-----|-----|-----|-----|-----|
| LEAD COLOR | BLK | RED | WHT | YEL | GRN | BLU |
| DESCRIPTION | EA+ | VCC | GND | EB+ | EB- | EA- |

| | | | |
|-------|-----------|------|-----------|
| | APVD | | 3.30.2019 |
| | CHKD | | |
| 1:1.5 | DRN | | |
| SCALE | SIGNATURE | DATE | |

STEPPER MOTOR
34HS38-6004D-E1000