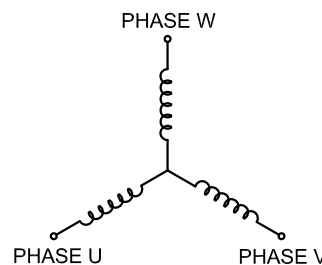
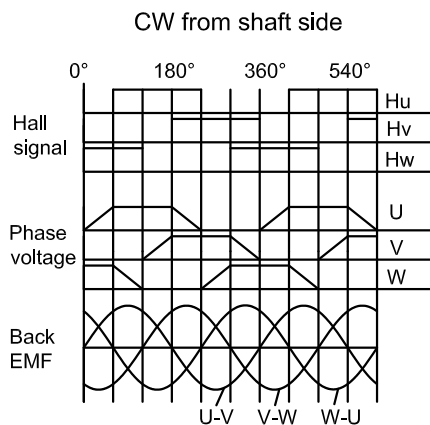


| WIRES CONNECTION | |
|-------------------|-----------|
| FUNCTION | LEAD WIRE |
| Motor phase U | ORANGE |
| Motor phase V | BROWN |
| Motor phase W | YELLOW |
| GND | BLACK |
| Hall sensor 2 | GREEN |
| Hall sensor 1 | BLUE |
| Hall sensor 3 | WHITE |
| VHall 3.3...18VDC | RED |



| SPECIFICATION | VALUE |
|---|-------------------------|
| NUMBER OF PHASE | 3 |
| NUMBER OF POLES | 16 |
| RESISTANCE/LINE(Ohms)@20°C | 0.56±0.1 |
| INDUCTANCE/LINE(mH)@1KHz | 0.27±0.1 |
| RATED VOLTAGE(VDC) | 24 |
| NO LOAD SPEED(RPM) | 6100±10% |
| NO LOAD CURRENT(A) | 0.5 |
| RATED TORQUE(mNm)[lb-in] | 130[1.15] |
| RATED SPEED(RPM) | 4850 |
| RATED CURRENT(A) | 3.6 |
| BACK EMF CONSTANT(Vrms/kRPM) | 2.75 |
| TORQUE CONSTANT(mNm/A) | 37.2 |
| ROTOR INERTIA(g-cm²) | 181 |
| WEIGHT(Kg)[lb] | 0.15[0.33] |
| TEMPERATURE RISE | MAX.80°C |
| INSULATION CLASS | B 130°C[266°F] |
| DIELECTRIC STRENGTH | 500VAC 1MIN |
| INSULATION RESISTANCE(MOhm)@500VDC | 100 |
| AMBIENT TEMPERATURE | -25°C~50°C[-13°F~122°F] |
| DYNAMIC AXIAL LOAD(N) | 10 |
| DYNAMIC RADIAL LOAD(N)@SHAFT LENGTH 10 mm | 28 |



| | | |
|-------|-----------|-----------|
| mm | APVD | 3.25.2019 |
| UNIT | CHKD | |
| 1:1 | DRN | |
| SCALE | SIGNATURE | DATE |

BRUSHLESS DC MOTOR

45BLE27-24-01