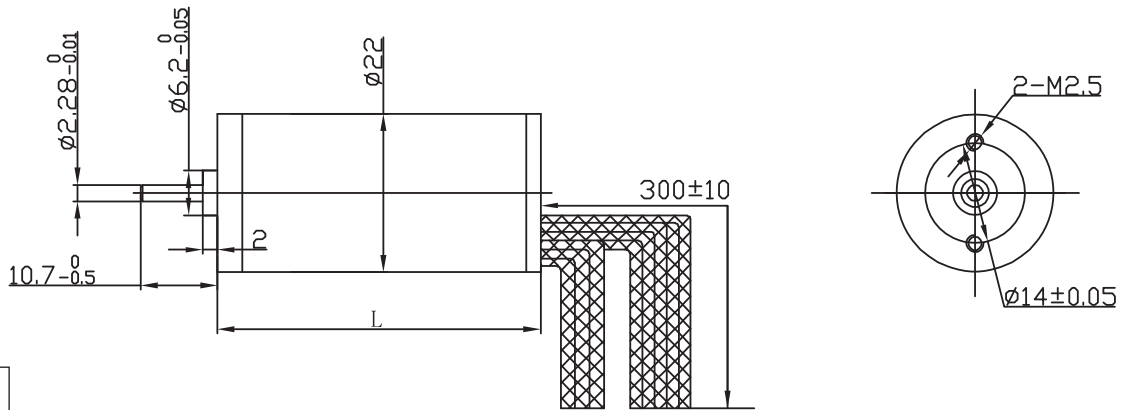


Brushless Motor 22BL



Characteristics

HALL EFFECT ANGLE
120° electric angle

SHAFT RUN OUT
0,025 mm

INSULATION CLASS
B

RADIAL PLAY
0,02 mm 450g load

AXIAL PLAY
0,08 mm 450g load

MAX RADIAL FORCE
10N 10mm from flange

MAX AXIAL FORCE
2N

DIELECTRIC STRENGTH
500 VDC for one minute

INSULATION RESISTANCE
100 M ohm min. 500 VDC

Specification

| Model | 22BL45 | 22BL70 | |
|---------------------------|-------------------|--------|--------|
| 1 N° OF POLE | 8 | 8 | |
| 2 N° OF PHASE | 3 | 3 | |
| 3 RATED VOLTAGE | V | 24 | 24 |
| 4 RATED SPEED | RPM | 4600 | 3500 |
| 5 RATED TORQUE | NM | 0,008 | 0,022 |
| 6 MAX PEAK TORQUE | NM | 0,021 | 0,05 |
| 7 TORQUE CONSTANT | NM/A | 0,0302 | 0,0355 |
| 8 LINE TO LINE RESISTANCE | Ω | 23 | 11,8 |
| 9 LINE TO LINE INDUCTANCE | MH | 6,2 | 4,2 |
| 10 MAX PEAK CURRENT | A | 1,1 | 1,5 |
| 11 LENGTH | MM | 45 | 70 |
| 12 ROTOR INERTIA | G-CM ² | 0,66 | 1,32 |
| 13 WEIGHT | KG | 0,07 | 0,12 |

Connection

| Lead N° | Color | Gauge | Function |
|---------|--------|--------------|-------------------------------|
| 1 | Yellow | UL1430 AWG28 | Vcc Hall Sensor +5 to +24 Vdc |
| 2 | Blue | UL1430 AWG28 | Hall A |
| 3 | Orange | UL1430 AWG28 | Hall B |
| 4 | Brown | UL1430 AWG28 | Hall C |
| 5 | White | UL1430 AWG28 | GND Hall Sensor Ground |
| 6 | Green | UL1430 AWG26 | Phase U |
| 7 | Red | UL1430 AWG26 | Phase V |
| 8 | Black | UL1430 AWG26 | Phase W |