



Characteristics

HALL EFFECT ANGLE
120 ° ELECTRIC ANGLE

SHAFT RUN OUT
0,025 MM

INSULATION CLASS
B

RADIAL PLAY
0,02 MM (450 G LOAD)

AXIAL PLAY
0,08 MM (450 G LOAD)

MAX RADIAL FORCE
15N 10MM FROM FLANGE

MAX AXIAL FORCE
10N

DIELECTRIC STRENGTH
500 VDC FOR ONE MINUTE

INSULATION RESISTANCE
100 M OHM MIN. 500 VDC

Specification

| Model | | 36CBL30 | 36CBL40 | 36CBL57 | 36CBL60 |
|-------|-------------------------|-------------------|---------|---------|---------|
| 1 | N° OF POLE | 8 | 8 | 8 | 8 |
| 2 | N° OF PHASE | 3 | 3 | 3 | 3 |
| 3 | RATED VOLTAGE | V | 24 | 24 | 24 |
| 4 | RATED SPEED | RPM | 4800 | 4800 | 4500 |
| 5 | RATED TORQUE | NM | 0,015 | 0,035 | 0,07 |
| 6 | MAX PEAK TORQUE | NM | 0,045 | 0,11 | 0,21 |
| 7 | TORQUE CONSTANT | NM/A | 0,034 | 0,037 | 0,041 |
| 8 | LINE TO LINE RESISTANCE | Ω | 7,8 | 2,7 | 1,3 |
| 9 | LINE TO LINE INDUCTANCE | MH | 5,5 | 2,6 | 1,6 |
| 10 | MAX PEAK CURRENT | A | 1,5 | 3 | 5,3 |
| 11 | LENGTH | MM | 30 | 40 | 57 |
| 12 | ROTOR INERTIA | G-CM ² | 6 | 12 | 27 |
| 13 | WEIGHT | KG | 0,12 | 0,16 | 0,25 |

Connection

| LEAD N° | COLOR | GAUGE | FUNCTION |
|---------|--------|--------------|----------------------------------|
| 1 | RED | UL1430 AWG26 | VCC HALL SENSOR +5 TO +24 Vdc |
| 2 | BLUE | UL1430 AWG26 | HALL A |
| 3 | GREEN | UL1430 AWG26 | HALL B |
| 4 | WHITE | UL1430 AWG26 | HALL C |
| 5 | BLACK | UL1430 AWG26 | GND HALL SENSOR GROUND |
| 6 | YELLOW | UL1332 AWG22 | PHASE U |
| 7 | RED | UL1332 AWG22 | PHASE V |
| 8 | BLACK | UL1332 AWG22 | PHASE W |

