



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	42CBL60	
1	N° OF POLE	4
2	N° OF PHASE	3
3	RATED VOLTAGE V	24
4	RATED SPEED RPM	5900
5	RATED TORQUE Nm	0,068
6	MAX PEAK TORQUE Nm	0,2
7	TORQUE CONSTANT Nm/A	0,032
8	LINE TO LINE RESISTANCE Ω	0,82
9	LINE TO LINE INDUCTANCE mH	0,75
10	MAX PEAK CURRENT A	3,5
11	LENGTH MM	60
12	ROTOR INERTIA g-CM ²	44
13	WEIGHT Kg	0,35

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
6	YELLOW	UL1332 AWG22	PHASE U
7	RED	UL1332 AWG22	PHASE V
8	BLACK	UL1332 AWG22	PHASE W

