



## 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 <sup>2</sup>	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

