



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

