



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
0,14 MM (450 G LOAD)

MAX RADIAL FORCE
4N 10MM FROM FLANGE

MAX AXIAL FORCE
4N

DIELECTRIC STRENGTH
500 VDC FOR ONE MINUTE

INSULATION RESISTANCE
100 M OHM MIN. 500 VDC

Specification

Model	28CBL38	
1 N° OF POLE		8
2 N° OF PHASE		3
3 RATED VOLTAGE	V	24
4 RATED SPEED	RPM	4000
5 RATED TORQUE	Nm	0,028
6 MAX PEAK TORQUE	Nm	0,084
7 TORQUE CONSTANT	Nm/A	0,047
8 LINE TO LINE RESISTANCE	Ω	5,69
9 LINE TO LINE INDUCTANCE	mH	2,48
10 MAX PEAK CURRENT	A	2,3
11 LENGTH	MM	38
12 ROTOR INERTIA	G-CM ²	6
13 WEIGHT	Kg	0,1

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
6	GREEN	UL1430 AWG26	PHASE U
7	RED	UL1430 AWG26	PHASE V
8	BLACK	UL1430 AWG26	PHASE W

