



## 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	NO-LOAD CURRENT	mA 130
11	MAX PEAK CURRENT	A 2.3
12	RATED CURRENT	A 0,60
13	LENGTH	mm 38
14	ROTOR INERTIA	g-cm <sup>2</sup> 5,8
15	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	HALL SENSOR GROUND
6	GREEN	UL1430 AWG26	PHASE U
7	RED	UL1430 AWG26	PHASE V
8	BLACK	UL1430 AWG26	PHASE W

## CHARACTERISTICS

Item	
HALL EFFECT ANGLE	120°
SHAFT RUN OUT	0,025 mm
INSULATION CLASS	B
RADIAL PLAY (450 g LOAD)	0,02 mm
AXIAL PLAY (450 g LOAD)	0,06 mm
MAX RADIAL FORCE (10 MM FROM FRONT FLANGE)	4N
MAX AXIAL FORCE	4N
DIELECTRIC STRENGTH	500 VDC FOR ONE MINUTE
INSULATION RESISTANCE	100 Mohm min. 500 VDC