



BE Version: Rear shaft 13mm - 2 x M2.5 on diameter 19.05 mm

SPECIFICATION

Model		33BL38	33BL80
1	N° OF POLE	4	4
2	N° OF PHASE	3	3
3	RATED VOLTAGE	V	24
4	RATED SPEED	rpm	3000
5	RATED TORQUE	Nm	0,022
6	MAX PEAK TORQUE	Nm	0,066
7	TORQUE CONSTANT	Nm/A	0,046
8	LINE TO LINE RESISTANCE	Ω	14,2
9	LINE TO LINE INDUCTANCE	mH	7
10	MAX PEAK CURRENT	A	1,45
11	RATED CURRENT	A	0,48
12	NO-LOAD CURRENT	mA	100
13	LENGTH	mm	38
14	ROTOR INERTIA	$g \cdot cm^2$	7,95
15	WEIGHT	Kg	0,085



CONNECTION

Lead N°	Color	Gauge	Function
1	YELLOW	UL1430 AWG26	VCC HALL SENSOR +5 TO +24 VDC
2	BLUE	UL1430 AWG26	HALL A
3	ORANGE	UL1430 AWG26	HALL B
4	BROWN	UL1430 AWG26	HALL C
5	WHITE	UL1430 AWG26	HALL SENSOR GROUND
6	GREEN	UL1430 AWG22	PHASE U
7	RED	UL1430 AWG22	PHASE V
8	BLACK	UL1430 AWG22	PHASE W

CHARACTERISTICS

Item	
WINDING TYPE	STAR CONNECTION
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)	0,08 mm
MAX RADIAL FORCE (10 mm FROM FRONT FLANGE)	10N
MAX AXIAL FORCE	2N
DIELECTRIC STRENGTH	500 VDC FOR ONE MINUTE
INSULATION RESISTANCE	100 Mohm min. 500 VDC