



Characteristics

HALL EFFECT ANGLE
120 ° ELECTRIC ANGLE

SHAFT RUN OUT
0,025 MM

INSULATION CLASS
F

RADIAL PLAY
0,025 MM (450 G LOAD)

AXIAL PLAY
0,08 MM (450 G LOAD)

MAX RADIAL FORCE
115 N (10 MM FROM FLANGE)

MAX AXIAL FORCE
45 N

DIELECTRIC STRENGTH
500 VDC FOR ONE MINUTE

INSULATION RESISTANCE
100 M OHM MIN. 500 VDC

Specification

Model		57BLA01	57BLA02	57BLA03	57BLA04
1	N° OF POLE	6	6	6	6
2	N° OF PHASE	3	3	3	3
3	RATED VOLTAGE	V	36	36	36
4	RATED SPEED	RPM	4000	4000	4000
5	RATED TORQUE	Nm	0,2	0,4	0,6
6	MAX PEAK TORQUE	Nm	0,6	1,2	1,8
7	TORQUE CONSTANT	Nm/A	0,07	0,07	0,06
8	LINE TO LINE RESISTANCE	Ω	0,95	0,4	0,25
9	LINE TO LINE INDUCTANCE	mH	1,2	0,55	0,4
10	MAX PEAK CURRENT	A	8,6	16	29
11	LENGTH	MM	53,6	73,6	93,6
12	ROTOR INERTIA	G-CM ²	100	200	300
13	WEIGHT	KG	0,52	0,75	1

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	UL1430 AWG20	PHASE U
7	RED	UL1430 AWG20	PHASE V
8	BLACK	UL1430 AWG20	PHASE W