



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
28 N (10 MM FROM FLANGE)

MAX AXIAL FORCE
10 N

DIELECTRIC STRENGTH
500 VDC FOR ONE MINUTE

INSULATION RESISTANCE
100 M OHM MIN. 500 VDC

Specification

Model		60BLW40-24	60BLW40-48		
1	N° OF POLE	14	14		
2	N° OF PHASE	3	3		
3	RATED VOLTAGE	V	24	48	
4	RATED SPEED	RPM	3700	3700	
5	RATED TORQUE	Nm	0,3	0,3	
6	MAX PEAK TORQUE	Nm	0,9	0,9	
7	TORQUE CONSTANT	Nm/A	0,05	0,1	
8	LINE TO LINE RESISTANCE	Ω	0,3	1,1	
9	LINE TO LINE INDUCTANCE	mH	0,3	1,4	
10	MAX PEAK CURRENT	A	18	9	
11	LENGTH	MM	40	40	
12	ROTOR INERTIA	G-CM ²	1500	1500	
13	WEIGHT	Kg	0,5	0,5	

Connection

LEAD N°	COLOR	GAUGE	FUNCTION
1	RED	UL1430 AWG26	VCC HALLSENSOR +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 AWG26	PHASE U
7	RED	UL1430 AWG26	PHASE V
8	BLACK	UL1430 AWG26	PHASE W