



BE version: rear shaft 13mm- 2x M2.5 on diam. 19.05 mm

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
0,08 MM (450 G LOAD)

MAX RADIAL FORCE
28N 10MM FROM FLANGE

MAX AXIAL FORCE
10N

DIELECTRIC STRENGTH
500 VDC FOR ONE MINUTE

INSULATION RESISTANCE
100 M OHM MIN. 500 VDC

Specification

Model		42BLB01	42BLB02	42BLB03	42BLB04
1	N° OF POLE	6	6	6	6
2	N° OF PHASE	3	3	3	3
3	RATED VOLTAGE	V	24	24	24
4	RATED SPEED	RPM	3000	3000	3000
5	RATED TORQUE	NM	0,064	0,17	0,3
6	MAX PEAK TORQUE	NM	0,19	0,51	0,9
7	TORQUE CONSTANT	NM/A	0,057	0,058	0,062
8	LINE TO LINE RESISTANCE	Ω	3,6	1,05	0,54
9	LINE TO LINE INDUCTANCE	mH	1,8	0,75	0,45
10	MAX PEAK CURRENT	A	3,5	9	14,5
11	LENGTH	MM	40,3	60,3	80,3
12	ROTOR INERTIA	G-CM ²	80	100	140
13	WEIGHT	KG	0,40	0,6	0,8

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