



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
10N 10MM FROM FLANGE

MAX AXIAL FORCE
2N

DIELECTRIC STRENGTH
500 VDC FOR ONE MINUTE

INSULATION RESISTANCE
100 M OHM MIN. 500 VDC

Specification

Model		22BL45	22BL70
1	N° OF POLE	8	8
2	N° OF PHASE	3	3
3	RATED VOLTAGE V	24	24
4	RATED SPEED RPM	4600	3500
5	RATED TORQUE Nm	0,008	0,022
6	MAX PEAK TORQUE Nm	0,021	0,05
7	TORQUE CONSTANT Nm/A	0,030	0,035
8	LINE TO LINE RESISTANCE Ω	23	11,8
9	LINE TO LINE INDUCTANCE mH	6,2	4,2
10	MAX PEAK CURRENT A	1,1	1,5
11	LENGTH MM	45	70
12	ROTOR INERTIA g-cm ²	0,66	1,32
13	WEIGHT Kg	0,07	0,12

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	GND HALL SENSOR
6	GREEN	UL1430 AWG26	PHASE U
7	RED	UL1430 AWG26	PHASE V
8	BLACK	UL1430 AWG26	PHASE W