



Characteristics

HALL EFFECT ANGLE
120 ° ELECTRIC ANGLE

SHAFT RUN OUT
0,03 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	45BLW18	
1	N° OF POLE	16
2	N° OF PHASE	3
3	RATED VOLTAGE V	24
4	RATED SPEED RPM	5000
5	RATED TORQUE NM	0,05
6	MAX PEAK TORQUE NM	0,15
7	TORQUE CONSTANT NM/A	0,031
8	LINE TO LINE RESISTANCE Ω	1,83
9	LINE TO LINE INDUCTANCE mH	0,74
10	MAX PEAK CURRENT A	4,8
11	LENGTH MM	18
12	ROTOR INERTIA g-CM ²	99
13	WEIGHT KG	0,08

Connection

PIN N°	CONNECTOR	FUNCTION
1	JST B5P	GND
2	JST B5P	PHASE U
3	JST B5P	PHASE V
4	JST B5P	PHASE W
5	JST B5P	GND
1	JST B6B	GND
2	JST B6B	+ 5V DC
3	JST B6B	HALL A
4	JST B6B	HALL B
5	JST B6B	HALL C
6	JST B6B	GND