



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

