



### 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		45BLW27
1	N° OF POLE	16
2	N° OF PHASE	3
3	RATED VOLTAGE	V 24
4	RATED SPEED	RPM 4840
5	RATED TORQUE	NM 0,13
6	MAX PEAK TORQUE	NM 0,36
7	TORQUE CONSTANT	NM/A 0,037
8	LINE TO LINE RESISTANCE	Ω 0,61
9	LINE TO LINE INDUCTANCE	mH 0,47
10	MAX PEAK CURRENT	A 10
11	LENGTH	MM 27
12	ROTOR INERTIA	G-CM <sup>2</sup> 180
13	WEIGHT	KG 0,15

### Connection

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