



SPECIFICATION

Model		20BLW14-12V	20BLW14-24V	
1	N° OF POLE	8	8	
2	N° OF PHASE	3	3	
3	RATED VOLTAGE	V	12	24
4	RATED SPEED	rpm	5170	5220
5	RATED TORQUE	Nm	0,0075	0,0077
6	MAX PEAK TORQUE	Nm	0,019	0,02
7	TORQUE CONSTANT	Nm/A	0,012	0,024
8	LINE TO LINE RESISTANCE	Ω	6,9	25,8
9	LINE TO LINE INDUCTANCE	mH	0,7	2,8
10	MAX PEAK CURRENT	A	1,62	0,85
11	RATED CURRENT	A	0,63	0,32
12	NO-LOAD CURRENT	mA	230	120
13	LENGTH	mm	14	14
14	ROTOR INERTIA	g-cm ²	5,1	5,1
15	WEIGHT	Kg	0,023	0,023



CONNECTION

Pin N°	Connector	Function
1	PFC CABLE	+ 5V DC
2	PFC CABLE	HALL C
3	PFC CABLE	HALL A
4	PFC CABLE	HALL B
5	PFC CABLE	GND
6	PFC CABLE	PHASE W
7	PFC CABLE	PHASE V
8	PFC CABLE	PHASE U

CHARACTERISTICS

Item	
HALL EFFECT ANGLE	120°
SHAFT RUN OUT	0,025 mm
INSULATION CLASS	B
RADIAL PLAY (450 g LOAD)	0,02 mm
AXIAL PLAY (450 g LOAD)	0,08 mm
MAX RADIAL FORCE (10 mm FROM FRONT FLANGE)	5N
MAX AXIAL FORCE	2N
DIELECTRIC STRENGTH	500 VDC FOR ONE MINUTE
INSULATION RESISTANCE	100 Mohm min. 500 VDC