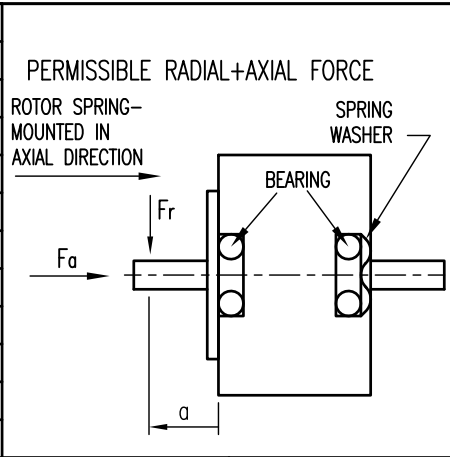
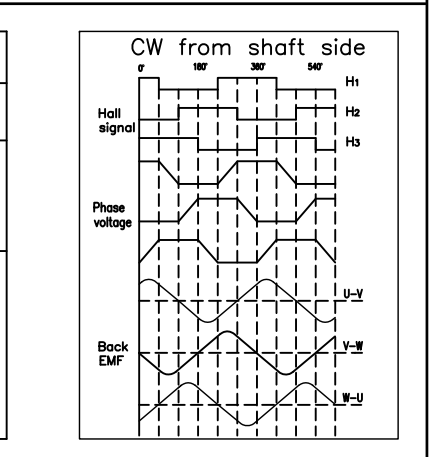


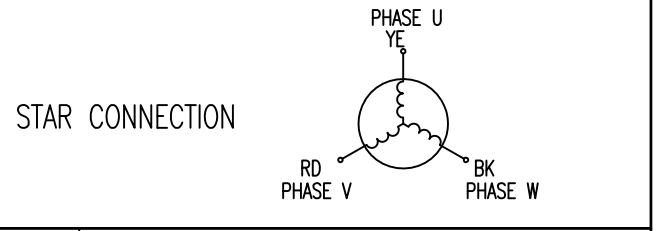
SPECIFICATION	CONNECTION	STAR
NO. OF POL./PHASE		6/3
VOLTAGE RATED (VDC)		48
CURRENT RATED/PEAK (AMP)		3.66/ 11
RESISTANCE/LINE TO LINE (Ohms) @20°C		1.5 $\pm 10\%$
INDUCTANCE/LINE TO LINE (mH) @1kHz		1.25 $\pm 20\%$
TORQUE RATED/PEAK (Nm)		0.44/ 1.32
TORQUE CONSTANT (Nm/A)		0.12
POWER RATED (W)		138
SPEED RATED/NO LOAD (RPM)		3000/3700
ROTOR INERTIA (Kg-m ²)		16.7x10 ⁻⁶
WEIGHT (Kg)		1.0



WIRING DIAGRAM			
	COLOR	FUNCTION	LEAD GAUGE
MOTOR 6 POL.	YE	U	UL1430 AWG20
	RD	V	
	BK	W	
HALL 18 IMPL. REV.	RD	+5V	UL1430 AWG26
	BU	H1	
	GN	H2	
	WH	H3	
	BK	GND	



TEMPERATURE RISE: MAX.80°C	AXIAL-FORCE F_a (N)	$F_a=10$
AMBIENT TEMPERATURE $-10^\circ \sim 50^\circ \text{C}$ [$14^\circ \text{F} \sim 122^\circ \text{F}$]	DISTANCE a (mm)	20
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)	RADIAL-FORCE F_r (N)	28
INSULATION CLASS B 130° [266°F]		AXIAL RADIAL
DIELECTRIC STRENGTH 500VAC FOR 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)	SHAFT PLAY (mm)	0.08 0.02
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)	AT LOAD MAX: (N)	4.5 4.5



B	-	20.06.17	A.S.	 Nanotec [®] PLUG & DRIVE	APVD	G.S.	30.06.16	BRUSHLESS DC MOTOR DWG.NO DB43C048030-B3			
A	-	05.10.16	A.S.		CHKD						
REV	DESCRIPTION	DATE	DRN	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715	DRN	A.S.	30.06.16	SIGNATURE	DATE