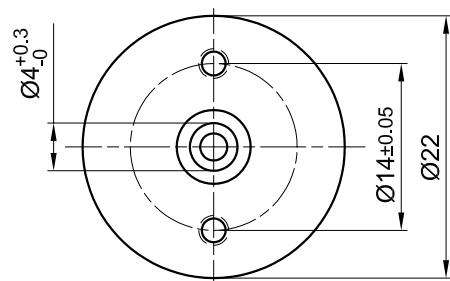
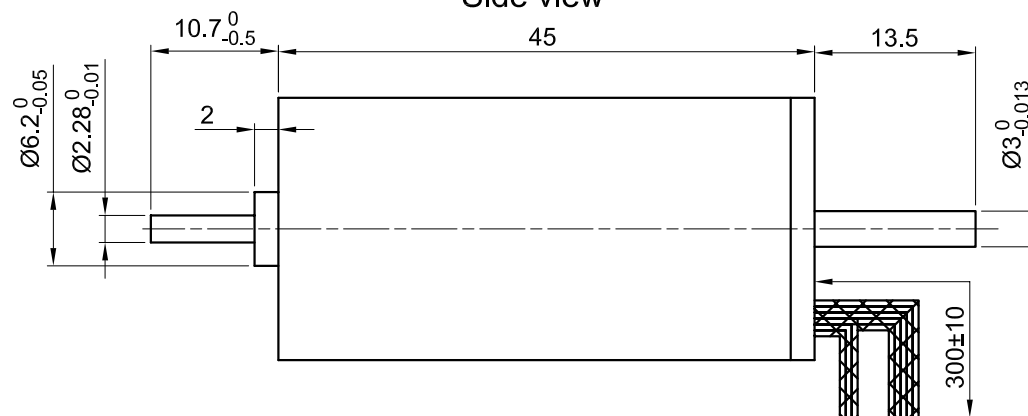


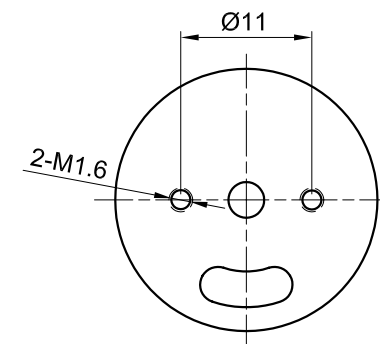
Front view and mounting



Side view

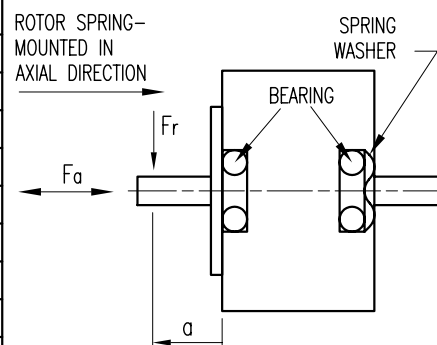


Rear view



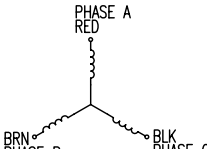
SPECIFICATION	CONNECTION	STAR
NO OF POLES/PHASE		8/3
VOLTAGE RATED (VDC)		24
CURRENT RATED/PEAK (AMP)		0.265/1.1
RESISTANCE/PHASE TO PHASE (Ohms) @25°C		23±15%
INDUCTANCE/PHASE TO PHASE (mH) @1KHz		6.2±20%
TORQUE RATED/PEAK (Nm) [lb.in]		0.008/0.021 [0.708/0.186]
TORQUE CONSTANT (Nm/A) [lb.in/A]		0.0302 [0.267]
POWER RATED/PEAK (W)		3.8/8.0
SPEED RATED/NO LOAD (U/min)		4800/7600
ROTOR INERTIA (Kg-m ²) [lb-in ²]		6.6x10 ⁻⁸ [2.258x10 ⁻⁵]
WEIGHT (Kg) [lb]		0.07 [0.154]
TEMPERATURE RISE: MAX.80°C (MOTOR STANDSTILL; FOR 2 PHASE ENERGIZED)		
AMBIENT TEMPERATURE -10°~ 50°C [14°F ~ 122°F]		
INSULATION RESISTANCE 100 MOhm (UNDER NORMAL TEMPERATURE AND HUMIDITY)		
INSULATION CLASS B 130° [266°F]		
DIELECTRIC STRENGTH 500VAC FOR 5 SEC. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)		
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)		

PERMISSIBLE RADIAL+AXIAL FORCE



AXIAL-FORCE Fa (N)	Fa=2	
DISTANCE a (mm)	10	
RADIAL-FORCE Fr (N)	10	
	AXIAL	RADIAL
SHAFT PLAY (mm)	0.08	0.02
AT LOAD MAX: (N)	4.5	4.5

WIRING DIAGRAM

WIRING DIAGRAM					
	PIN	COLOR	FUNCTION	DESCRIPTION	LEAD GAUGE
MOTOR 8 POL.	6	RED	U		UL100 AWG 28
	7	BRN	V		
	8	BLK	W		
HALL 24 IMPL. REV.	1	BLU	Vcc	SUPPLY VOLTAGE FOR HALL SENSORS	UL100 AWG26
	2	RED	HALL A		
	3	YEL	HALL B		
	4	BRN	HALL C		
	5	GRN	GND	GROUND FOR HALL SENSORS	
ENCODER (OPTION)	6	YEL	A	<div>STAR CONNECTING</div> <div></div>	
	7	BRN	A\		
	8	GRY	B		
	9	GRY/PINK	B\		
	10	VIOLET	I		
	11	RED/BLU	I\		

				NANOTEC: DB22M01	SCALE FREE	APVD	B.W.	23.05.07	BRUSHLESS DC MOTOR
					X ±0.5	CHKD			
					1PL ±0.2	DRN	J.W.	23.05.07	DWG.NO DB22M01
REV	DESCRIPTION	DATE	APVD		2PL ±0.1	SIGNATURE		DATE	
					ANGLE ±30'				