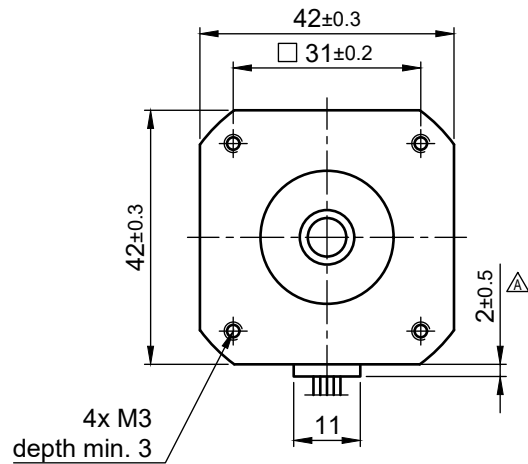
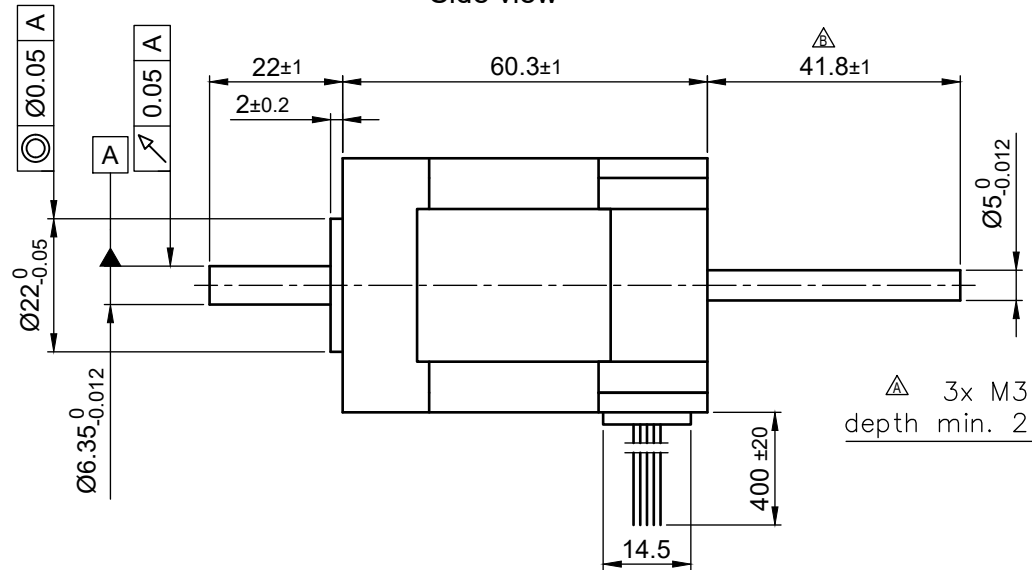


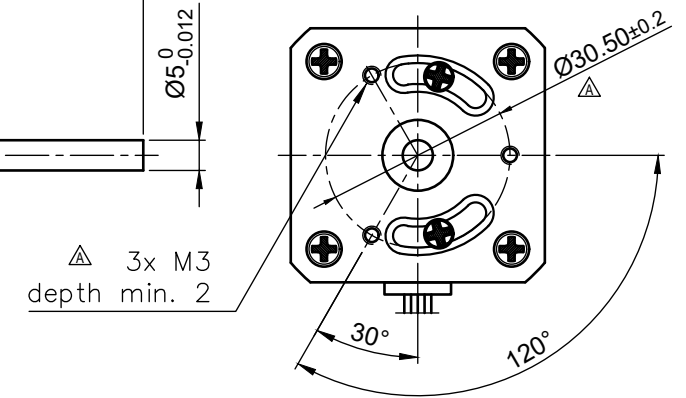
Front view and mounting



Side view



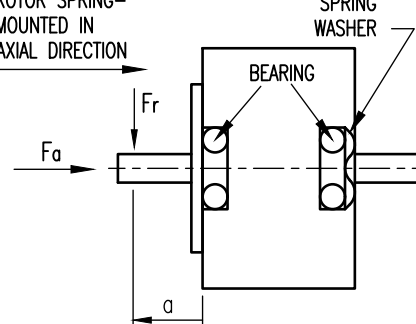
Rear view



SPECIFICATION	CONNECTION	STAR
NO. OF POL./PHASE		6/3
VOLTAGE RATED (VDC)		24
CURRENT RATED/PEAK (AMP)		3.1/ 9.3
RESISTANCE/LINE TO LINE (Ohms) @20°C		1.05 ±10%
INDUCTANCE/LINE TO LINE (mH) @1KHz		0.75 ±20%
TORQUE RATED/PEAK (Nm)		0.17/ 0.51
TORQUE CONSTANT (Nm/A)		0.055
POWER RATED (W)		53
SPEED RATED/NO LOAD (RPM)		3000/3900
ROTOR INERTIA (Kg-m ²)		6x10 ⁻⁶
WEIGHT (Kg)		0.6
TEMPERATURE RISE: MAX.80°C		
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 1 MIN. (BETWEEN THE MOTOR COILS AND THE MOTOR CASE)		
AMBIENT HUMIDITY MAX. 85% (NO CONDENSATION)		

PERMISSIBLE RADIAL+AXIAL FORCE

ROTOR SPRING-MOUNTED IN AXIAL DIRECTION



AXIAL-FORCE Fa (N) Fa=10

DISTANCE a (mm) 20

RADIAL-FORCE Fr (N) 28

AXIAL RADIAL

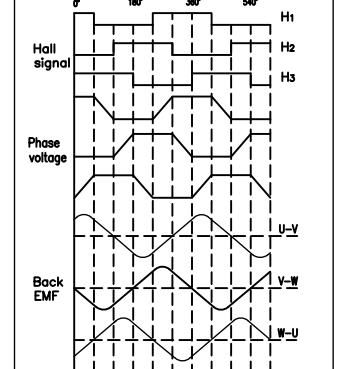
SHAFT PLAY (mm) 0.08 0.02

AT LOAD MAX: (N) 4.5 4.5

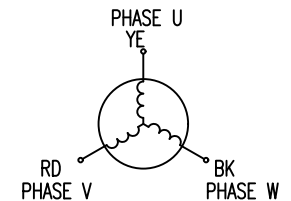
WIRING DIAGRAM

	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	

CW from shaft side



STAR CONNECTION



				 Nanotec® PLUG & DRIVE			APVD	G.S.	29.06.16	BRUSHLESS DC MOTOR
B	—	20.06.17	A.S.				CHKD			
A	—	05.10.16	A.S.	Surface specification DIN ISO 1302	General tolerances DIN ISO 2768- cH	Work piece edge DIN ISO 13715	DRN	A.S.	29.06.16	DWG.NO
REV	DESCRIPTION	DATE	DRN				SIGNATURE		DATE	DB43M024030-B3