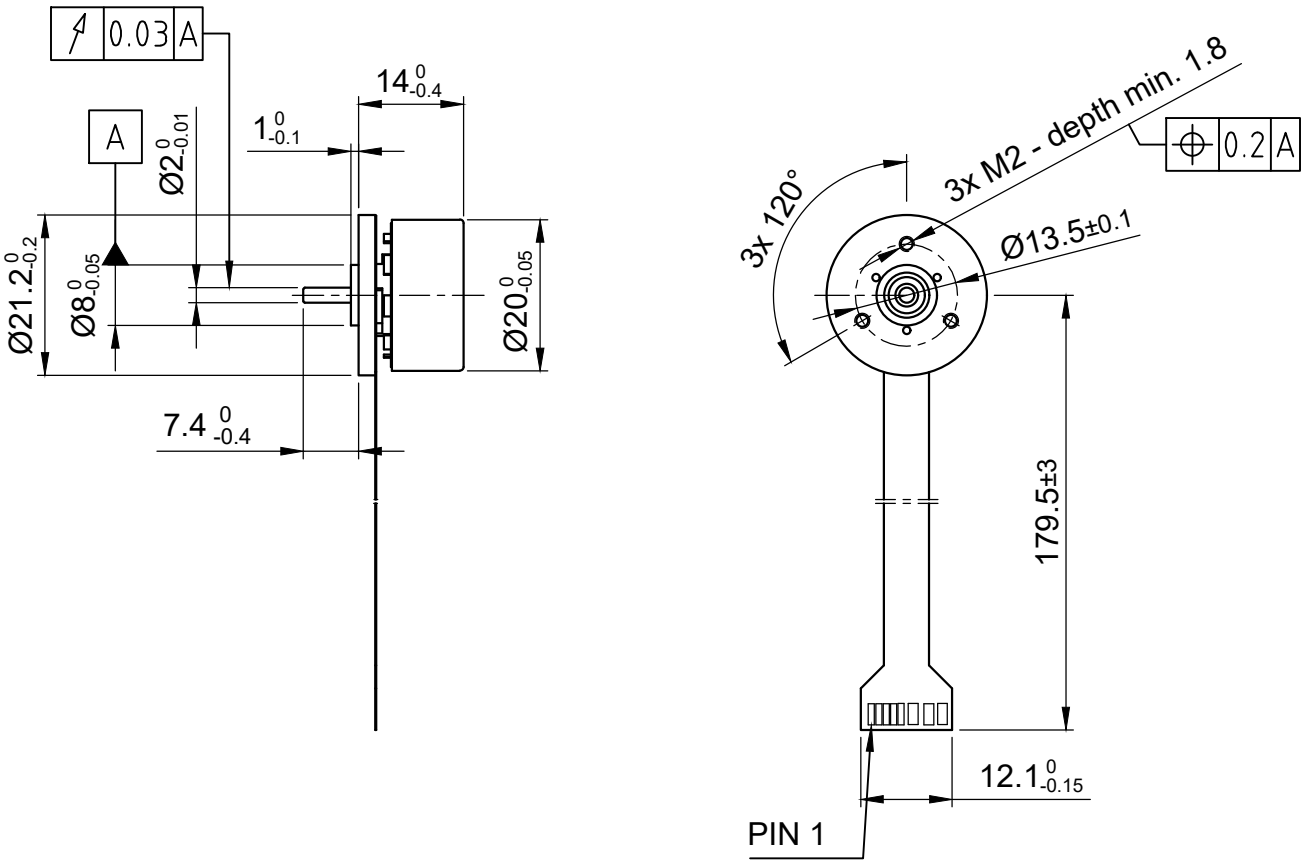
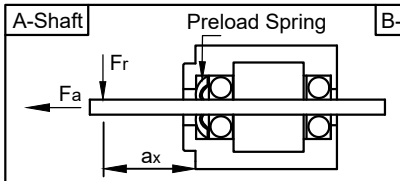


MOTOR SPECIFICATION		
No. of Poles		8
Rated Voltage	V DC	24
Current - Rated / Peak	A	0.33 / 0.85
Resistance Line to Line	±10% Ω	25.8
Inductance Line to Line (1kHz)	±20% mH	2.8
Torque - Rated / Peak	Nm	0.00774 / 0.020
Torque Constant	Nm/A	0.024
Back-EMF Constant	V_{rms}/krpm	1.78
Rated Power	W	5
Speed - No Load / Rated	±10% rpm	9530 / 5220
Rotor Inertia	kg m²	0.51 x10^{-6}

WIRING DIAGRAM		
	PIN	Function
Motor	8	U
	7	V
	6	W
Hall 24 Impl. per Rev.	1	+5DC - +24VDC
	3	H1
	4	H2
	2	H3
	5	GND



Max. Axial Force	Fa	N	2
Max. Radial Force	Fr (a_1 = 10 mm)	N	5
Axial Play	Fa = 0.45 N	mm	0.08
Radial Play	Fr = 0.45 N	mm	0.02

GENERAL MOTOR SPECIFICATION		
Ambient Temperature	°C	-20 ...50
Max. Temperature Rise (at standstill)	°C	80
Max. Ambient Humidity (non condensing)	%	85
Insulation Class		B
Insulation Resistance	MΩ	100
Dielectric Strength (for 1 min - coil to case)	V AC	500

ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715

	Date	Name
Drawn	08.11.2018	Schneid_A
Reviewed	25.11.2019	Knoll_J
Released	25.11.2019	Knoll_J

REV	Rev. Text	Name	Date

Nanotec® PLUG & DRIVE

Weight: 0.023 kg

DF20M024052-A

03200065

State: Released | Rev: -.D | CONFIDENTIAL