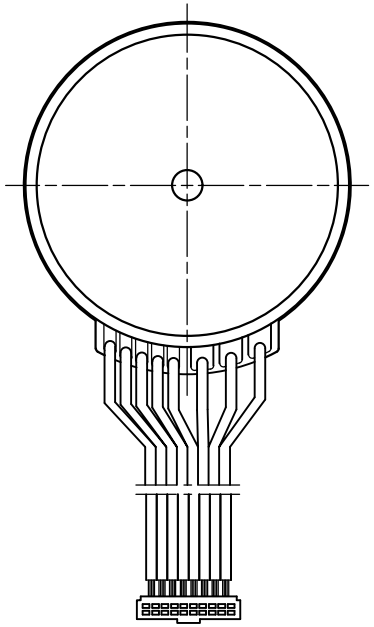
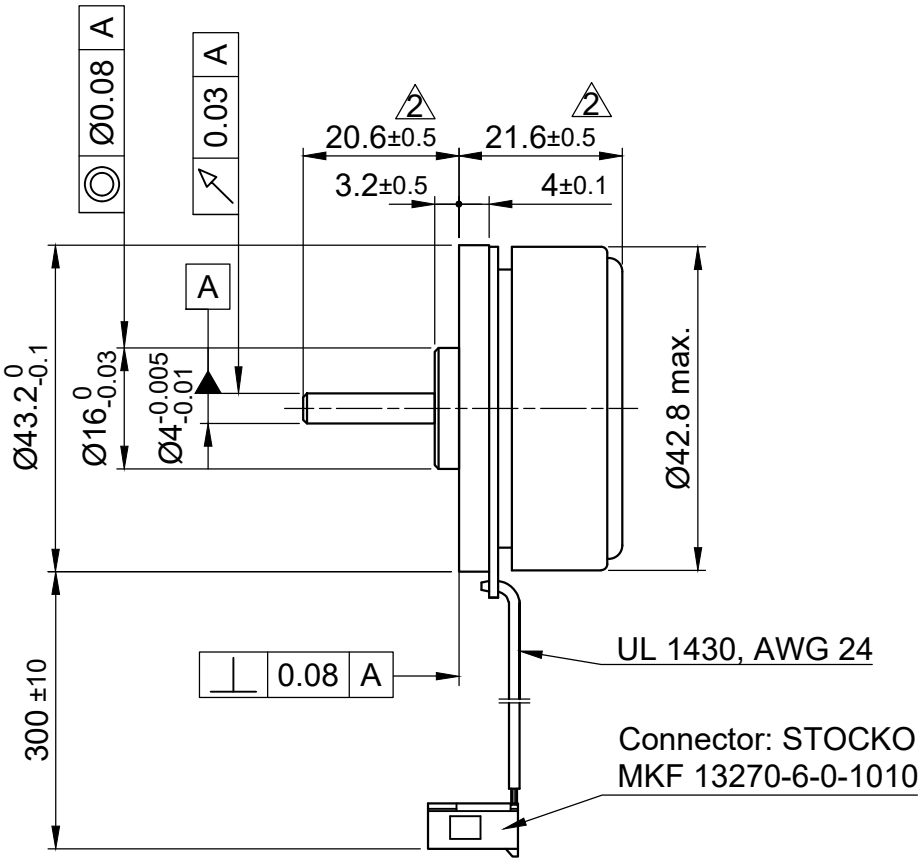
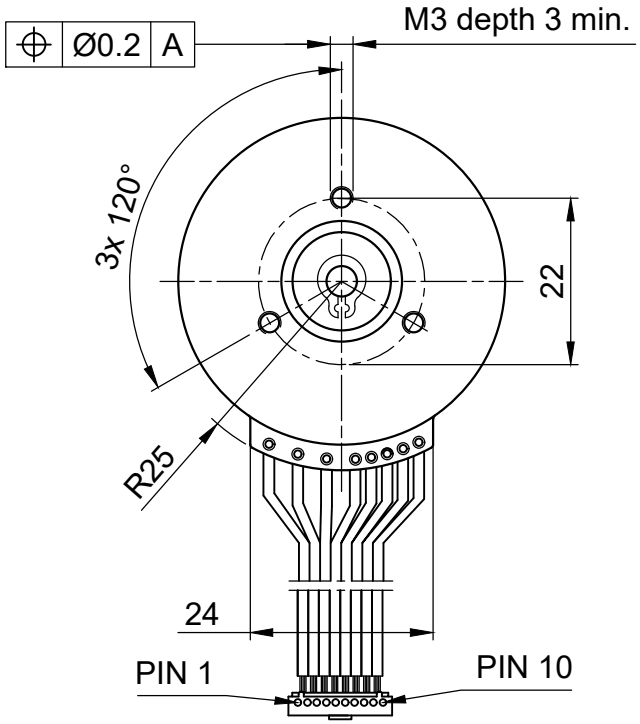
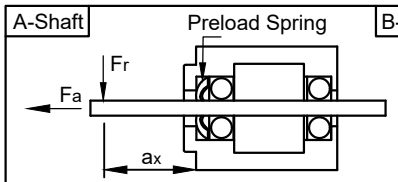




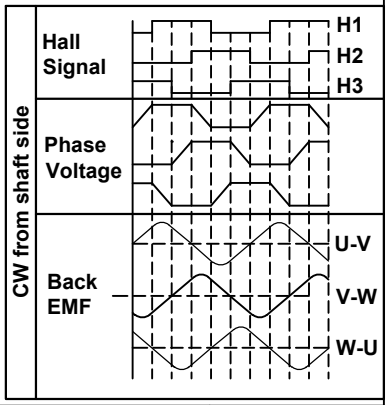


MOTOR SPECIFICATION			
No. of Poles			16
Rated Voltage		V DC	24
Current - No Load / Rated / Peak		A	<0.4 / 2.36 / 7.0
Resistance Line to Line	±10%	Ω	0.8
Inductance Line to Line (1kHz)	±20%	mH	0.33
Torque - Rated / Peak		Nm	0.084 / 0.25
Torque Constant		Nm/A	0.0335
Rated Power		W	50
Speed - No Load / Rated	±10%	rpm	6700 / 5260
Rotor Inertia		kg m²	13.5 x10^{-6}

WIRING DIAGRAM				
	PIN	Colour	Function	Lead Gauge
Motor	1	GY	U	UL1430 AWG24
	2	BN	V	
	3	YE	W	
Hall 48 Impl. per Rev.	8	RD	VHall 3.3..18VDC	UL1430 AWG24
	6	BU	H1	
	5	GN	H2	
	7	WH	H3	
	4	BK	GND	



Max. Axial Force	Fa	N	10
Max. Radial Force	Fr (a1 = 10 mm)	N	28
Axial Play	Fa = 4 N	mm	0.14
Radial Play	Fr = 4 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		04.12.2017	Import
Reviewed		09.06.2020	Knoll_J
Released		09.06.2020	Knoll_J

REV	Rev. Text	Name	Date
02	revise drawing	Schneid_A	24.06.2020

Nanotec® PLUG & DRIVE

Weight: 0.12 kg

DF45M024053-A2

03000184

A4 Page 1

State: Released | Rev: 02 | CONFIDENTIAL