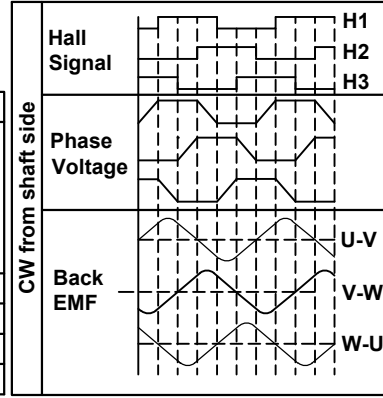
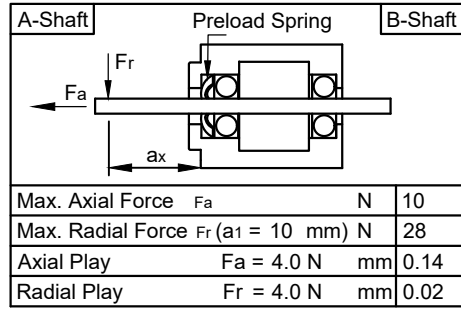


MOTOR SPECIFICATION		
No. of Poles		16
Rated Voltage	V DC	24
Current - No Load / Rated / Peak	A	<0.4/2.36/7.0
Resistance Line to Line	$\pm 10\% \Omega$	0.8
Inductance Line to Line (1kHz)	$\pm 20\% \text{ mH}$	0.33
Torque - Rated / Peak	Nm	0.084 / 0.25
Torque Constant	Nm/A	0.0335
Rated Power	W	50
Speed - No Load / Rated	$\pm 10\% \text{ rpm}$	6700 / 5260
Rotor Inertia	kg m^2	13.5×10^{-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	



GENERAL MOTOR SPECIFICATION		
Ambient Temperature	$^\circ\text{C}$	-20 ... 50
Max. Temperature Rise (at standstill)	$^\circ\text{C}$	80
Max. Ambient Humidity (non condensing)	%	85
Insulation Class		B
Insulation Resistance	M Ω	100
Dielectric Strength (for 1 min - coil to case)	V AC	500

ISO 8015		ISO 1302		ISO 2768 cK		ISO 13715		Weight: 0.12 kg	
					Date	Name		DF45M024053-C2	
					Drawn	Import			
					Reviewed	Knoll_J			
					Released	Knoll_J			
02	revise drawing	Schneid_A	17.06.2020			03000187		A4 Page 1	
REV	Rev. Text	Name	Date			State: Work in Progress		Rev: 02 CONFIDENTIAL	

