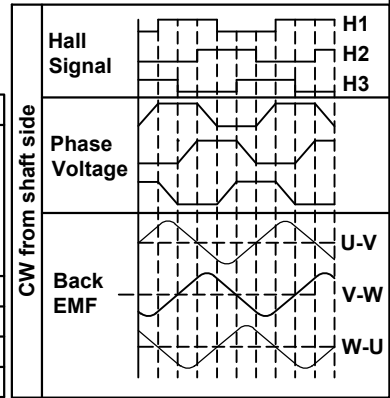
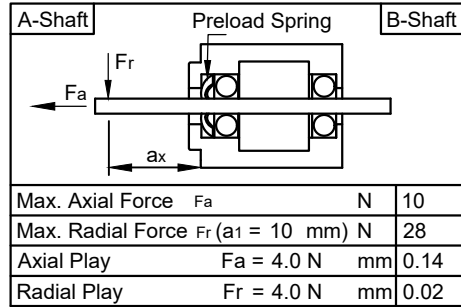


MOTOR SPECIFICATION		
No. of Poles		16
Rated Voltage	V DC	24
Current - No Load / Rated / Peak	A	<0.5/3.26/9.5
Resistance Line to Line	$\pm 10\% \Omega$	0.56 Δ
Inductance Line to Line (1kHz)	$\pm 20\% \text{ mH}$	0.27 Δ
Torque - Rated / Peak	Nm	0.13 / 0.39
Torque Constant	Nm/A	0.0369
Rated Power	W	65
Speed - No Load / Rated	$\pm 10\% \text{ rpm}$	6100 / 4840
Rotor Inertia	kg m^2	18.1 $\times 10^{-6}$

WIRING DIAGRAM			
	PIN	Function	Connector
Motor	1	GND	JST B5P-VH
	2	U	
	3	V	
	4	W	
	5	GND	
Hall 48 Impl. per Rev.	1	GND	JST B6B-PH-K-S
	2	+5V DC (4.5-18V DC)	
	3	H1	
	4	H2	
	5	H3	
	6	GND	



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

ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715
03	revise drawing	Schneid_A	10.06.2020
REV	Rev. Text	Name	Date

Date		Name		DF45L024048-A
Drawn	04.12.2017	Import		
Reviewed	09.06.2020	Knoll_J		
Released	09.06.2020	Knoll_J		
Nanotec PLUG & DRIVE				03000167
State: For Review		Rev: 03	CONFIDENTIAL	A4 Page 1

Weight: 0.15 kg