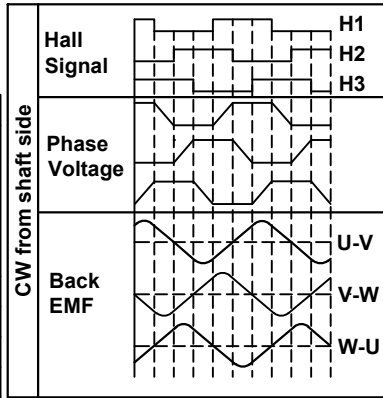
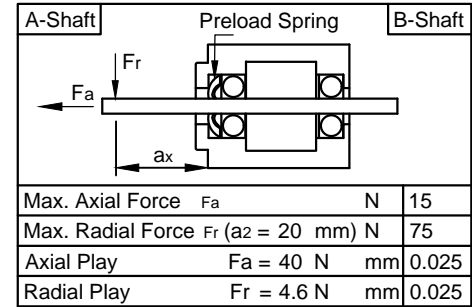


MOTOR SPECIFICATION		
No. of Poles	6	
Rated Voltage	V DC	48
Current - No Load / Rated / Peak	A	<0.8/5.33/16
Resistance Line to Line	$\pm 10\%$ Ω	0.8
Inductance Line to Line (1kHz)	$\pm 20\%$ mH	1.2
Torque - Rated / Peak	Nm	0.47 /1.41
Torque Constant	Nm/A	0.1
Rated Power	W	172
Speed - No Load / Rated	$\pm 10\%$ rpm	4500 /3500
Rotor Inertia	kg m ²	11.9 x10 ⁻⁶

WIRING DIAGRAM				
	Colour	Function	Lead Gauge	
Motor	Ye	U	UL1332 AWG18	
	Rd	V		
	Bk	W		
Hall 18 Impl. per Rev.	Rd	+5V	UL1430 AWG26	
	Bu	H1		
	Gn	H2		
	Wh	H3		
	Bk	GND		



GENERAL MOTOR SPECIFICATION		
Ambient Temperature	$^{\circ}\text{C}$	-10 ... 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
		Date	Name
		Drawn	09.04.2019 Schneid_A
		Checked	10.04.2019 Reith_S
		Approved	----
REV	Rev. Text	Name	Rel. Date

Weight: 0.72 kg	
DB59L048035-A	
03200077	
State: Sample	Rev: -
P	A4-Q

