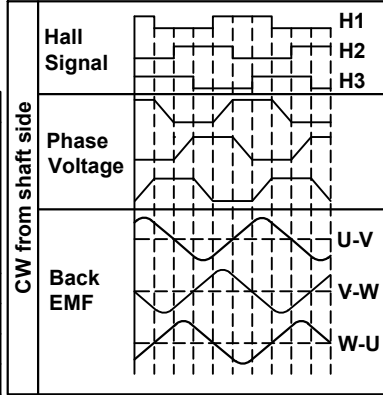
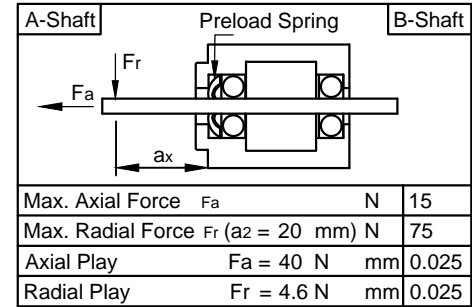


MOTOR SPECIFICATION		
No. of Poles		6
Rated Voltage	V DC	24
Current - Rated / Peak	A	8 / 24
Resistance Line to Line	$\pm 10\%$ $\Omega$	0.24
Inductance Line to Line (1kHz)	$\pm 20\%$ mH	0.29
Torque - Rated / Peak	Nm	0.37 / 1.11
Torque Constant	Nm/A	0.046
Back-EMF Constant	$V_{rms}/krpm$	3.8
Rated Power	W	135
Speed - No Load / Rated	$\pm 10\%$ rpm	4000 / 3500
Rotor Inertia	$kg \text{ m}^2$	$10.5 \times 10^{-6}$

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 $\Omega$	100
Dielectric Strength (for 1 min - coil to case)	V AC	500

ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715	Weight: 0.65 kg	
			Date	Name	
			Drawn	04.12.2017	Import
			Checked	13.09.2018	Knoll_J
			Approved	13.09.2018	Schneid_A
02	change speed, no load	Schneid_A	20.09.2018	DB59M024035R-A	
REV	Rev. Text	Name	Rel. Date		
				03000113	-
				State: Released	Rev: 02
				P	A4-Q

