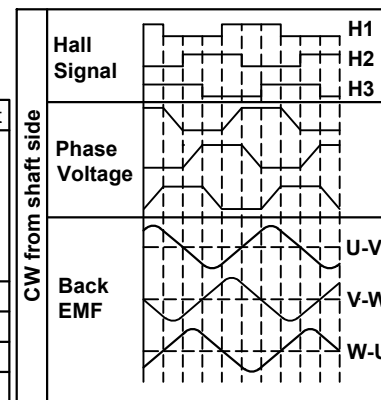
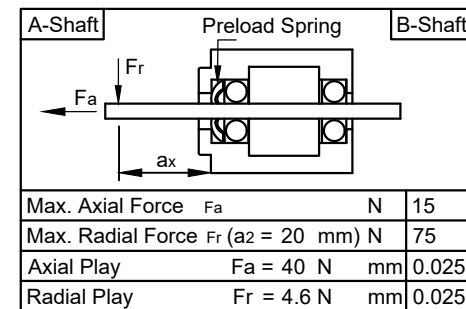


**MOTOR SPECIFICATION**

No. of Poles		6
Rated Voltage	V DC	24
Current - Rated / Peak	A	13.6 / 40
Resistance Line to Line	±10% Ω	0.135
Inductance Line to Line (1kHz)	±20% mH	0.2
Torque - Rated / Peak	Nm	0.6 / 1.8
Torque Constant	Nm/A	0.044
Back-EMF Constant	V <sub>rms</sub> /krpm	3.7
Rated Power	W	220
Speed - No Load / Rated	±10% rpm	4500 / 3500
Rotor Inertia	kg m <sup>2</sup>	17.3 x10 <sup>-6</sup>

**WIRING DIAGRAM**

	Colour	Function	Lead Gauge
Motor	Ye	U	UL1332 AWG16
	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	°C	-10 ... 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	Weight: ~0.95 kg			
			Date	Name			
			Drawn	04.12.2017	Import		
			Reviewed	06.12.2018	Knoll_J		
			Released	06.12.2018	Schneid_A		
02	change depth thread M2.5	Reith_S	25.11.2021	DB59C024035R-B3			
REV	Rev. Text	Name	Date				
				03000091	A4 Page 1		
				State: Released	Rev: 02	CONFIDENTIAL	

