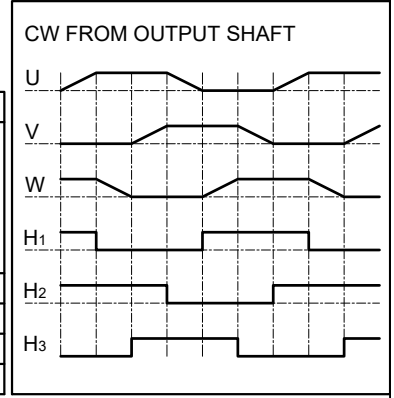
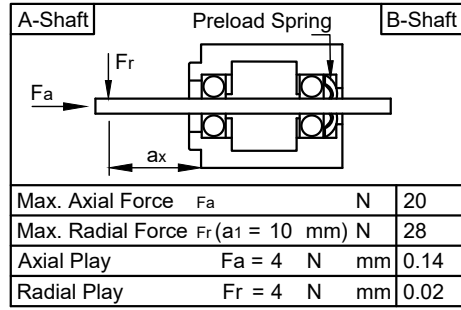


MOTOR SPECIFICATION		
No. of Poles		8
Rated Voltage	V DC	24
Current - No Load / Rated / Peak	A	<0.3/ 2.1 / 6.3
Resistance Line to Line	±10% Ω	1.2
Inductance Line to Line (1kHz)	±20% mH	1.6
Torque - Rated / Peak	Nm	0.12 / 0.36
Torque Constant	Nm/A	0.054
Back-EMF Constant	V _{rms} /krpm	4.0
Rated Power	W	40
Speed - No Load / Rated	±10% rpm	4200 / 3200
Rotor Inertia	kg m ²	4.4 x 10 ⁻⁶

WIRING DIAGRAM			
	Colour	Function	Lead Gauge
Motor 8 pol.	YE	U	UL1332 AWG22
	RD	V	
	BK	W	
Hall 24 Impl. per Rev.	RD	+5V	UL1430 AWG26
	BU	H1	
	GN	H2	
	WH	H3	
	BK	GND	



GENERAL MOTOR SPECIFICATION		
Ambient Temperature	°C	-10 ... 40
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	650

ISO 8015		ISO 1302		ISO 2768 cK		ISO 13715	
REV	Rev. Text	Name	Date	Date	Name	Date	Name
01	change tolerance	Schneid_A	18.10.2022				

Weight: ~0.35 kg	
DBL42L024032-A	
03200043	A4 Page 1
State: Released	Rev: 01 CONFIDENTIAL

