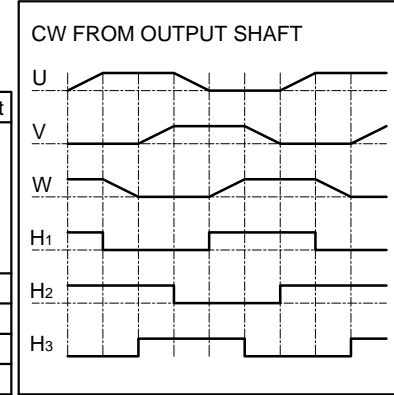
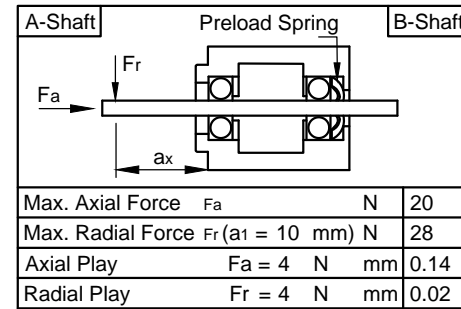


MOTOR SPECIFICATION	
No. of Poles	8
Rated Voltage V DC	24
Current - No Load / Rated / Peak A	<0.3/2.1 /6.3
Resistance Line to Line ±10% Ω	1.2
Inductance Line to Line (1kHz) ±20% mH	1.6
Torque - Rated / Peak Nm	0.12 /0.36
Torque Constant Nm/A	0.054
Back-EMF Constant V _{rms} /krpm	4.0
Rated Power W	40
Speed - No Load / Rated ±10% rpm	4200 /3200
Rotor Inertia kg m ²	4.4 x10 ⁻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	Rel. Date	Date	Name		
				Drawn	24.04.2018	Schneid_A	
				Checked	24.04.2018	Seimel_G	
				Approved	24.04.2018	Seimel_G	

Weight: 0.35 kg	
DBL42L024032-A	
03200043	-
State: Released	Rev: -
P	A4-Q

