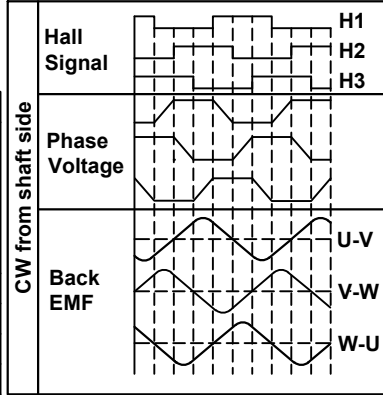
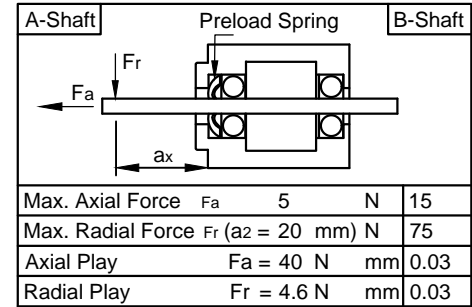


MOTOR SPECIFICATION		
No. of Poles		8
Rated Voltage	V DC	36
Current - Rated / Peak	A	4.0 / 12
Resistance Line to Line	$\pm 10\% \Omega$	1.2
Inductance Line to Line (1kHz)	$\pm 20\% \text{ mH}$	1.2
Torque - Rated / Peak	Nm	0.3 / 0.9
Torque Constant	Nm/A	0.073
Back-EMF Constant	$V_{\text{rms}}/\text{krpm}$	5.6
Rated Power	W	94
Speed - No Load / Rated	$\pm 10\% \text{ rpm}$	4400 / 3000
Rotor Inertia	kg m^2	26 $\times 10^{-6}$

WIRING DIAGRAM				
	Colour	Function	Lead Gauge	
Motor	Ye	U	UL1430 AWG18	
	Rd	V		
	Bk	W		
Hall 24 Impl. per Rev.	Rd	+5V	UL3265 AWG28	
	Bu	H1		
	Gn	H2		
	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	04.12.2017
		Checked	06.09.2018
		Approved	06.09.2018
01	change diameter fl. sp.	Schneid_A	06.09.2018
REV	Rev. Text	Name	Rel. Date

Weight: 1.0 kg	
DB56L036030-A	
03000078	
State: Released	Rev: 01
P	A4-Q

