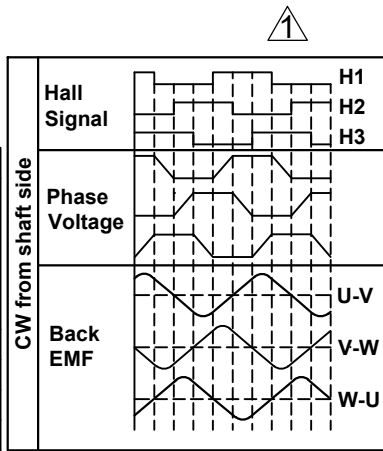
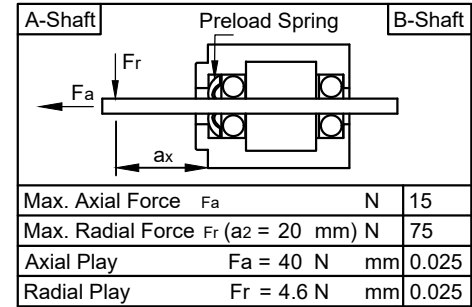


MOTOR SPECIFICATION		
No. of Poles		6
Rated Voltage	V DC	24
Current - Rated / Peak	A	8 / 24
Resistance Line to Line	$\pm 10\%$ Ω	0.24
Inductance Line to Line (1kHz)	$\pm 20\%$ mH	0.29
Torque - Rated / Peak	Nm	0.37 / 1.11
Torque Constant	Nm/A	0.046
Back-EMF Constant	$V_{rms}/krpm$	3.8
Rated Power	W	135
Speed - No Load / Rated	$\pm 10\%$ rpm	4500 / 3500
Rotor Inertia	$kg\ m^2$	10.5×10^{-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	$^{\circ}C$	-10 ... 50
Max. Temperature Rise (at standstill)	$^{\circ}C$	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
04	change speed, no load	Schneid_A	21.04.2022
03	change speed, no load		
REV	Rev. Text	Name	Date

Date		Name		DB59M024035-A	Weight: ~0.65 kg
Drawn	04.12.2017	Import			
Checked	13.09.2018	Knoll_J			
Approved	13.09.2018	Schneid_A		03000108	
State: Released		Rev: 04	CONFIDENTIAL	A4	

