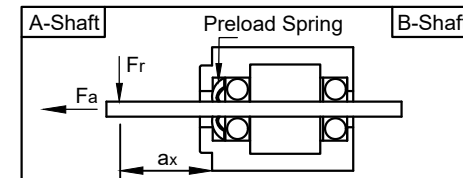


Connector:
JST B6B-PH-K-S

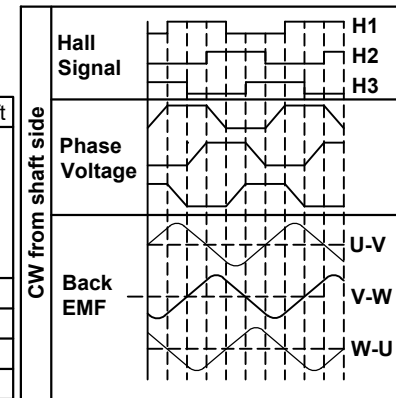
Connector:
JST B5P-VH

WIRING DIAGRAM

	PIN	Function	Connector
Motor	1	GND	JST B5P-VH
	2	U	
	3	V	
	4	W	
	5	GND	
Hall 48 Impl. per Rev.	1	GND	JST B6B-PH-K-S
	2	+5V DC (4.5-18V DC)	
	3	H1	
	4	H2	
	5	H3	
	6	GND	



Max. Axial Force F_a	N	10
Max. Radial Force F_r ($a_1 = 10$ mm)	N	28
Axial Play $F_a = 4.0$ N	mm	0.14
Radial Play $F_r = 4.0$ N	mm	0.02



MOTOR SPECIFICATION

No. of Poles		16
Rated Voltage	V DC	24
Current - No Load / Rated / Peak	A	$<0.4/2.36/7.0$
Resistance Line to Line	$\pm 10\%$ Ω	0.7
Inductance Line to Line (1kHz)	$\pm 20\%$ mH	0.33
Torque - Rated / Peak	Nm	0.084 / 0.25
Torque Constant	Nm/A	0.0335
Rated Power	W	50
Speed - No Load / Rated	$\pm 10\%$ rpm	6700 / 5260
Rotor Inertia	kg m ²	13.5×10^{-6}

GENERAL MOTOR SPECIFICATION

Ambient Temperature	°C	-20 ... 50
Max. Temperature Rise (at standstill)	°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	Weight: 0.12 kg	
			Date	Name	
			Drawn	04.12.2017	Import
			Reviewed	09.06.2020	Knoll_J
			Released	09.06.2020	Knoll_J
02	revise drawing	Schneid_A	24.06.2020	DF45M024053-A 03000183	
REV	Rev. Text	Name	Date		
				State: Released	Rev: 02
				CONFIDENTIAL	