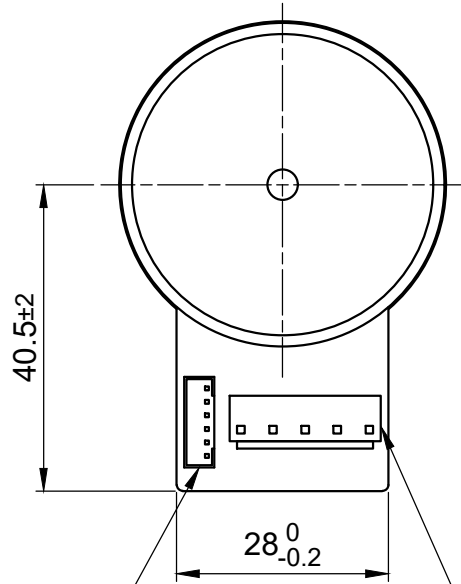
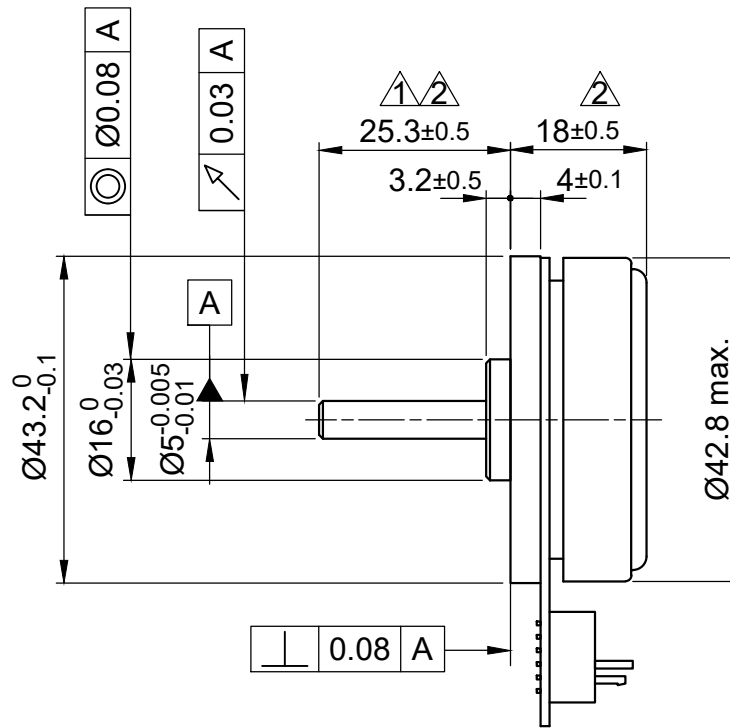
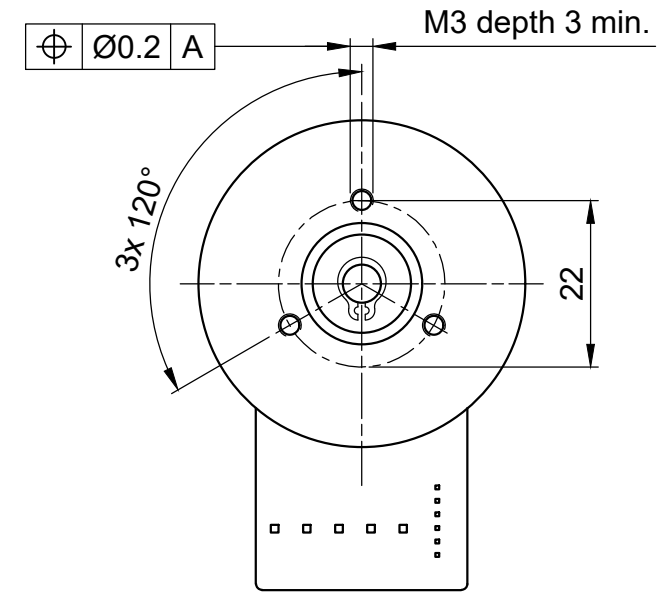




Connector:
JST B6B-PH-K-S



Connector:
JST B5P-VH



MOTOR SPECIFICATION

No. of Poles	16
Rated Voltage	V DC 24
Current - No Load / Rated / Peak	A <0.3/1.58/4.8
Resistance Line to Line	±10% Ω 1.42
Inductance Line to Line (1kHz)	±20% mH 0.59
Torque - Rated / Peak	Nm 0.05 / 0.15
Torque Constant	Nm/A 0.0355
Rated Power	W 30
Speed - No Load / Rated	±10% rpm 6500 / 5000
Rotor Inertia	kg m ² 9.9 x10 ⁻⁶

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	

A-Shaft	Preload Spring	B-Shaft
Fr		
Fa		
ax		
Max. Axial Force	Fa	N 10
Max. Radial Force	Fr (a1 = 10 mm)	N 28
Axial Play	Fa = 4.0 N	mm 0.14
Radial Play	Fr = 4.0 N	mm 0.02

Hall Signal	H1 H2 H3
Phase Voltage	U-V V-W W-U
Back EMF	

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	MΩ 100
Dielectric Strength (for 1 min - coil to case)	V AC 500

ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715
02	revise drawing	Schneid_A	17.06.2020
REV	Rev. Text	Name	Date



			Weight: 0.08 kg	
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State: Released		Rev: 02	CONFIDENTIAL	

