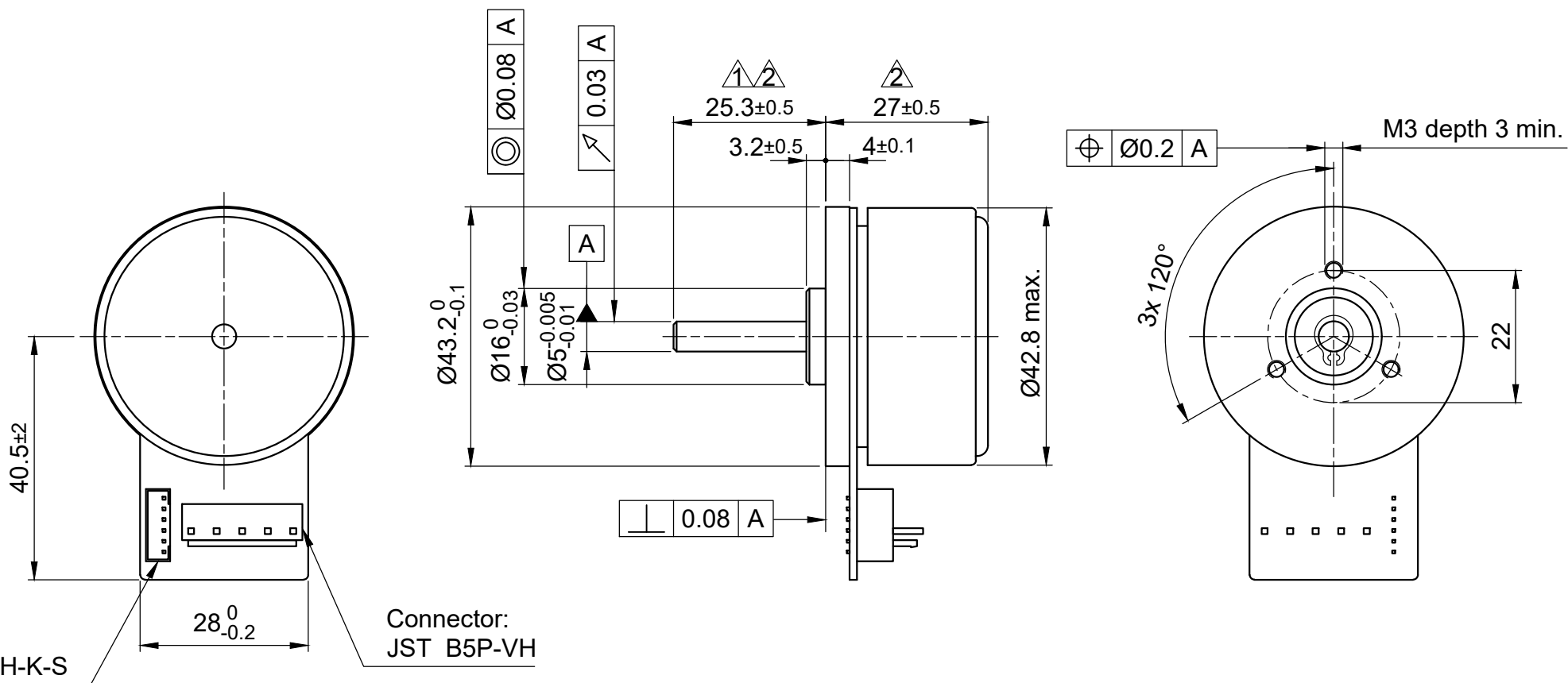




MOTOR SPECIFICATION		
No. of Poles		16
Rated Voltage	V DC	24
Current - No Load / Rated / Peak	A	<0.5/3.26/9.5
Resistance Line to Line	±10% Ω	0.56
Inductance Line to Line (1kHz)	±20% mH	0.27
Torque - Rated / Peak	Nm	0.13 / 0.39
Torque Constant	Nm/A	0.0369
Rated Power	W	65
Speed - No Load / Rated	±10% rpm	6100 / 4840
Rotor Inertia	kg m ²	18.1 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	Phase Voltage	Back EMF
H1 H2 H3	U-V V-W W-U	

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: 0.15 kg	
DF45L024048-C	
03000172	
State: Released	Rev: 02
CONFIDENTIAL	