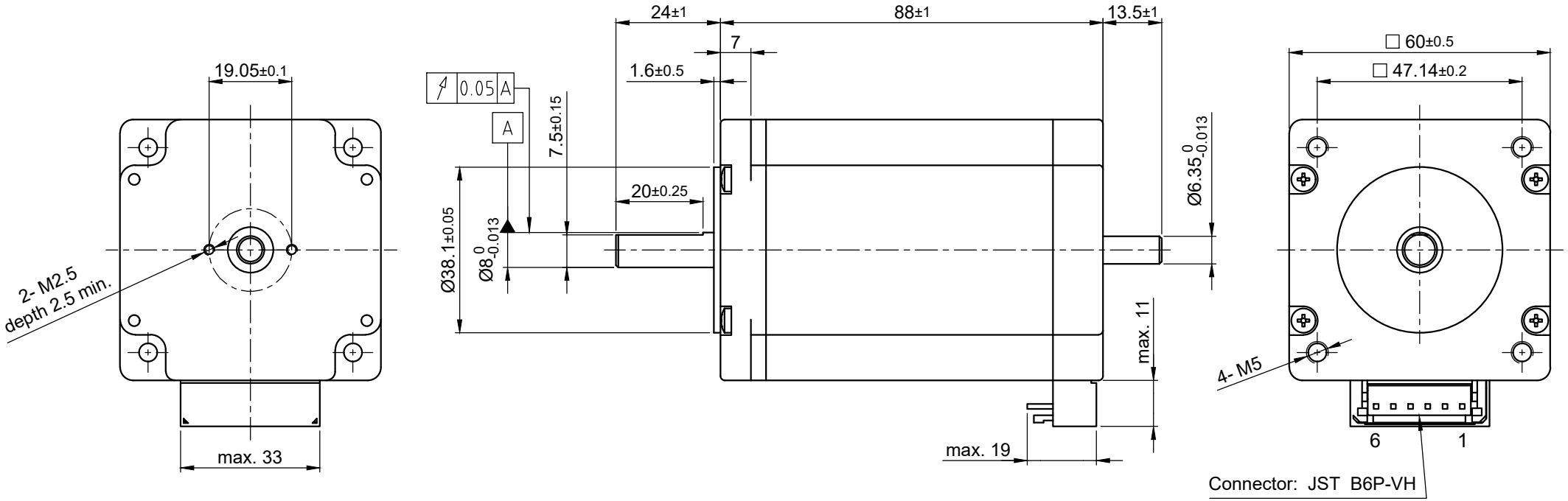

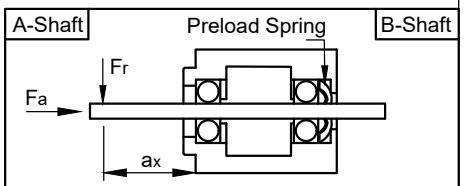

MOTOR SPECIFICATION		
Voltage	V DC	3.0
Current per Winding	A	4.2
Resistance per Phase (25°C) ±15%	Ω	0.72
Inductance per Phase (1 kHz) ±20%	mH	2.4
Holding Torque	Nm	3.6
Step Angle ±5%	°	1.8
Rotor Inertia	kg m²	84 x10^{-6}

TYPE OF CONNECTION		
Bipolar	Pin No.	Winding
A	1	
A\	3	
B	4	
B\	6	

Max. Axial Force	Fa	N	15
Max. Radial Force	Fr (a2 = 20 mm)	N	75
Axial Play	Fa = 4 N	mm	0.08
Radial Play	Fr = 4 N	mm	0.02

GENERAL MOTOR SPECIFICATION		
Ambient Temperature	°C	-20 ...50
Max. Temperature Rise (at standstill - 2 phases energized)	°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

	Date	Name
Drawn	22.06.2021	Schneid_A
Reviewed	02.07.2021	Strempe._A
Released	02.07.2021	Strempe._A

REV	Rev. Text	Name	Date

Nanotec® PLUG & DRIVE

Weight: ~1.4 kg

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