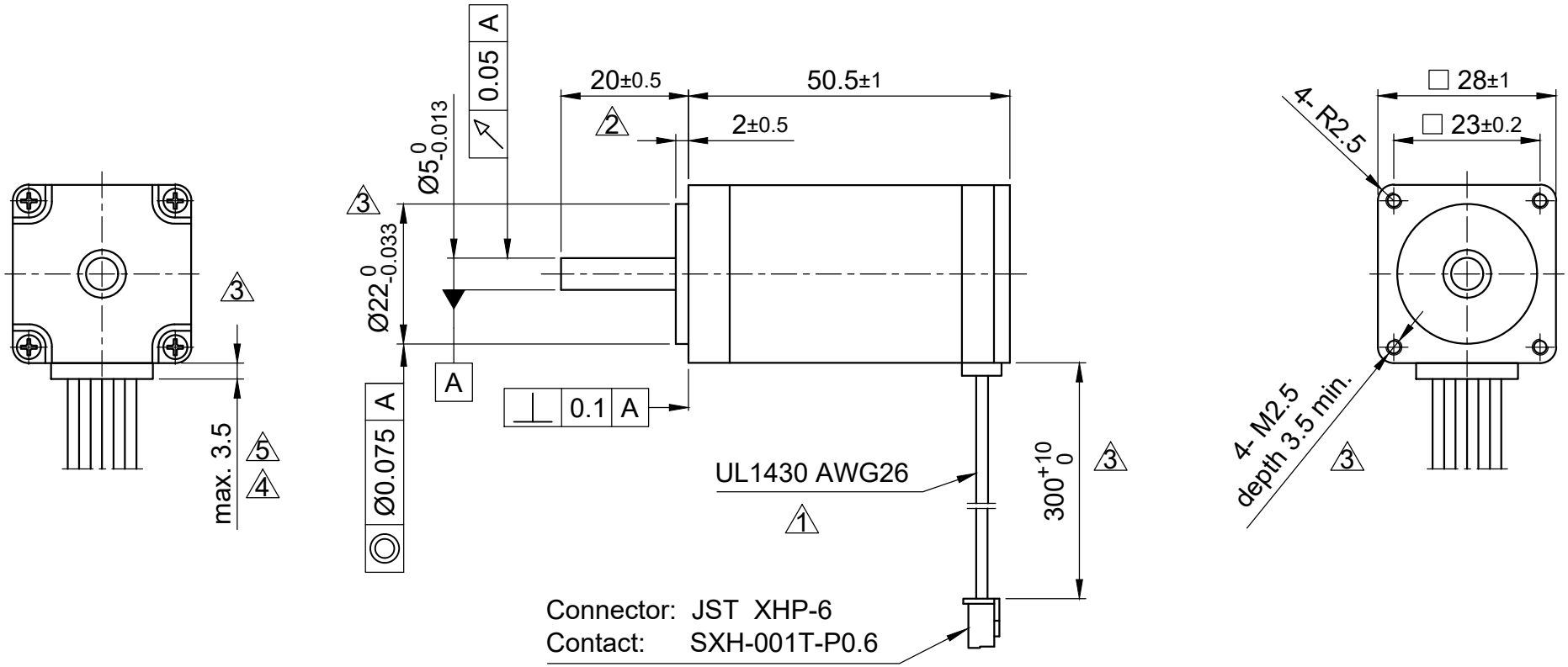
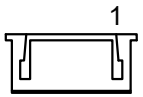
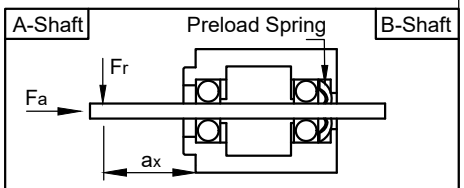


MOTOR SPECIFICATION		CONNECTION	
		UNIPOLAR	SERIES
Voltage	V DC	4.37	
Current per Winding	A	0.95	0.67
Resistance per Phase (25°C) ±15%	Ω	4.6	9.2
Inductance per Phase (1 kHz) ±20%	mH	1.8	7.2
Holding Torque	Nm	0.09	0.127
Step Angle ±5%	°	1.8	
Rotor Inertia	kg m²	1.8 x10^{-6}	

JST XHP-6



TYPE OF CONNECTION				
Unipolar	Series	Pin No.	Wire Col.	Winding
A	A	1	BK	A
COM		5	YE	COM
A\	A\	3	GN	A\
B	B	2	RD	B
COM		6	WH	COM
B\	B\	4	BU	B\



Max. Axial Force	Fa	N	7
Max. Radial Force	Fr (a1 = 5 mm)	N	58
Max. Radial Force	Fr (a2 = 20 mm)	N	20
Axial Play	Fa = 10 N	mm	0.075
Radial Play	Fr = 5.0 N	mm	0.025

GENERAL MOTOR SPECIFICATION		
Ambient Temperature	°C	-10 ...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	Replacement for drawing from 06.06.06	Weight: ±10% 0.25 kg

	Date	Name
Drawn	29.11.2023	Schneid_A
Reviewed	06.12.2023	Reith_S
Released	06.12.2023	Reith_S

REV	Rev. Text	Name	Date
05	modified prod. process	Schneid_A	06.12.2023

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